

- Contains polymorphic CA repeat.//1.0:189:66//Z92545
 R-HEMBA1005732//Human Chromosome 11q12 pac pDJ363p2, WORKING DRAFT SEQUENCE, 22 unordered pieces.//2.1e-47:449:75//AC003023
 R-HEMBA1005737
- 5 R-nnnnnnnnnnnn//H.sapiens DNA for repeat unit locus D18S51 (285 bp).//0.11:174:63//X91255
 R-HEMBA1005755//Human DNA-sequence from clone 396D17 on chromosome 1p33-35.3 Contains EST, STS, GSS, complete sequence.//0.15:160:65//AL008634
 R-HEMBA1005765//Human Xq28 cosmids U225B5 and U236A12, complete sequence.//5.2e-39:422:74//U71148
 R-HEMBA1005780//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 3/15, WORKING DRAFT SEQUENCE.//0.037:261:61//AP000010
- 10 R-HEMBA1005813//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y313F4, WORKING DRAFT SEQUENCE.//1.7e-26:242:80//AL023808
 R-HEMBA1005815//Bufo boreas MVZ 145227 c-mos gene, partial cds.//0.17:199:62//U52805
 R-HEMBA1005822//Plasmodium falciparum MAL3P7, complete sequence.//0.26:437:56//AL034559
- 15 R-HEMBA1005829//Human Cosmid g1572c035, complete sequence.//3.8e-05:366:61//AC000124
 R-HEMBA1005834//Human DNA sequence from clone 51J12 on chromosome 6q26-27. Contains the 3' part of the alternatively spliced gene for the human orthologs of mouse QKI-7 and QKI-7B (KH Domain RNA Binding proteins) and zebrafish ZKQ-1 (Quaking protein homolog). Contains ESTs, STSs and GSSs, complete sequence.//8.2e-107:551:96//AL031781
 R-HEMBA1005852//F.rubripes GSS sequence, clone 163A22aA4, genomic survey sequence.//2.6e-17:225:72//AL018730
 R-HEMBA1005853//Human Chromosome 15 pac pDJ24m8, complete sequence.//1.1e-27:314:75//AC000379
 R-HEMBA1005884//Homo sapiens 12p13.3 BAC RPC13-488H23 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//2.6e-20:328:67//AC006207
- 25 R-HEMBA1005891//Homo sapiens PAC clone DJ0997N05 from 7q11.23-q21.1, complete sequence.//2.0e-102:543:95//AC004945
 R-HEMBA1005894
 R-HEMBA1005909
 R-HEMBA1005911//CIT-HSP-2342E5.TR CIT-HSP Homo sapiens genomic clone 2342E5, genomic survey sequence.//0.0012:315:60//AQ058081
 R-HEMBA1005921//P.chrysogenum mitochondrion genes for tRNA-Arg, tRNA-Asn, tRNA-Tyr, small subunit rRNA, and ATPase subunit 6.//0.0090:445:58//Z23072
 R-HEMBA1005931//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 54B20, WORKING DRAFT SEQUENCE.//1.7e-46:351:83//Z98304
- 35 R-HEMBA1005934//Homo sapiens chromosome 17, clone hRPK.261_A_13, complete sequence.//0.0052:179:71//AC005138
 R-HEMBA1005962//Homo sapiens clone RG012D21, complete sequence.//1.1e-11:149:74//AC005045
 R-HEMBA1005963//HS_3055_A1_E08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3055 Col=15 Row=I, genomic survey sequence.//5.4e-79:403:97//AQ147357
- 40 R-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//6.9e-112:580:95//AF082516
 R-HEMBA1005991//Human DNA sequence from clone 58A9 on chromosome 1q24.1-24.3. Contains STSs, GSSs, genomic marker D1S210 and a ca repeat polymorphism, complete sequence.//2.6e-39:299:82//AL031285
 R-HEMBA1005999//Homo sapiens clone DJ0691F11, WORKING DRAFT SEQUENCE, 11 unordered pieces.//1.1e-29:260:70//AC004859
- 45 R-HEMBA1006002//Rattus norvegicus s-nexilin mRNA, complete cds.//6.3e-15:174:78//AF056035
 R-HEMBA1006005//Homo sapiens MLL (MLL) gene, exons 1-3, and partial cds.//2.6e-112:574:95//AF036405
 R-nnnnnnnnnnnn//Homo sapiens mRNA for KIAA0725 protein, partial cds.//7.6e-27:444:67//AB018268
 R-HEMBA1006035//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.025:373:60//AC005139
- 50 R-HEMBA1006036//Homo sapiens Chromosome 16 BAC clone CIT987SK-625P11, complete sequence.//0.0056:535:59//AC004125
 R-HEMBA1006042//HS_2169_A1_B11_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2169 Col=21 Row=C, genomic survey sequence.//1.7e-73:390:95//AQ132995
- 55 R-nnnnnnnnnnnn
 R-HEMBA1006081
 R-HEMBA1006090//HS_2262_A2_A01_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2262 Col=2 Row=A, genomic survey sequence.//2.1e-70:360:97//AQ216324

- R-HEMBA1006091
R-HEMBA1006100//Homo sapiens DNA sequence from PAC 212G6 on chromosome Xp11.3-p11.4. Contains syn-
apsin 1, brain protein 4.1, properdin, tyrosine kinase (ELK1) oncogene, ESTs, STS, GSS, complete sequence.//
1.6e-36:354:77//AL009172
- 5 R-HEMBA1006108
R-HEMBA1006121
R-HEMBA1006124//Human DNA sequence from BAC 175E3 on chromosome 22q11.2-qter. Contains ESTs, STSs
and polymorphic CA repeat.//1.3e-12:327:64//Z95113
R-HEMBA1006130//WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.60:326:62//AC005948
- 10 R-HEMBA1006130//Homo sapiens chromosome 19, cosmid F16403, complete sequence.//4.3e-52:321:80//
AC005777
R-HEMBA100614211, complete sequence.//1.0e-13:160:78//AC005500
R-HEMBA1006155//Plasmodium falciparum 3D7 chromosome 12: PFYAC69 genomic sequence, WORKING
DRAFT SEQUENCE, 4 unordered pieces.//0.0013:389:60//AC004688
- 15 R-HEMBA1006158//Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds.//1.4e-119:
574:98//AF048693
R-HEMBA1006173//Mus musculus protein tyrosine phosphatase STEP61 mRNA, complete cds.//4.1e-43:307:86//
U28217
R-HEMBA1006182//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence.//1.7e-30:300:71//
AC004491
- 20 R-HEMBA1006198//**ALU WARNING: Human Alu-J subfamily consensus sequence.//1.3e-36:284:85//U14567
R-HEMBA1006235//Homo sapiens clone 24422 mRNA sequence.//2.1e-110:545:97//AF070557
R-HEMBA1006248//Homo sapiens mRNA for KIAA0667 protein, partial cds.//0.46:365:58//AB014567
R-HEMBA1006252//Human Chromosome 16 BAC clone CIT987SK-A-972D3, complete sequence.//2.8e-41:438:
71//U91323
- 25 R-HEMBA1006253//Homo sapiens 45kDa splicing factor mRNA, complete cds.//1.8e-28:179:91//AF083384
R-HEMBA1006259//RPC111-44N14.TJ RPC111 Homo sapiens genomic clone R-44N14, genomic survey se-
quence.//1.5e-48:348:85//AQ203161
R-HEMBA1006268
R-HEMBA1006272//Human DNA sequence from clone 1198H6 on chromosome 1p36.11-36.31. Contains two
Melanoma Preferentially Expressed Antigen PRAME LIKE genes. Contains GSSs and ESTs, complete sequence.//
2.8e-73:273:87//AL023753
R-HEMBA1006283//Sequence 7 from patent US 5776683.//9.7e-18:113:98//AR016240
- 35 R-HEMBA1006284//Homo sapiens chromosome 17, clone hRPC.1028_K_7, complete sequence.//0.97:447:59//
AC004585
R-HEMBA1006291//Homo sapiens full-length insert cDNA clone ZB76B10.//2.9e-94:454:98//AF086161
R-HEMBA1006293//Sequence 8 from patent US 5721351.//8.1e-10:111:72//I89415
R-HEMBA1006309//Homo sapiens chromosome 17, clone hRPK.22_N_12, WORKING DRAFT SEQUENCE, 2
ordered pieces.//8.6e-37:288:84//AC005412
- 40 R-HEMBA1006310//Rattus norvegicus cytosolic sorting protein PACS-1a (PACS-1) mRNA, complete cds.//6.5e-
29:132:81//AF076183
R-HEMBA1006328//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 894K16, WORKING
DRAFT SEQUENCE.//3.3e-50:340:75//AL034429
- 45 R-HEMBA1006334
R-HEMBA1006344//Rattus norvegicus nitizin mRNA, partial cds.//8.7e-22:259:72//AF087945
R-HEMBA1006347//Human prostaticin gene, complete cds.//1.8e-78:170:100//U33446
R-HEMBA1006349//Rat brain calcium channel alpha-1 subunit mRNA, complete cds.//0.00051:120:73//M57682
R-HEMBA1006359//CITBI-E1-2516C16.TR CITBI-E1 Homo sapiens genomic clone 2516C16, genomic survey
sequence.//4.7e-74:576:82//AQ277951
- 50 R-HEMBA1006364//G.gallus gene for transforming growth factor-beta2, exons 5-7.//2.5e-21:118:85//X59080
R-HEMBA1006377//Homo sapiens chromosome 19, cosmid F23149, complete sequence.//5.7e-68:367:85//
AC005239
R-HEMBA1006380//Human BAC clone RG007J15 from 7q31, complete sequence.//6.1e-47:300:83//AC003989
- 55 R-HEMBA1006381//Homo sapiens chromosome 5, Bac clone 189 (LBNL H135), complete sequence.//1.5e-47:
336:86//AC005914
R-HEMBA1006398//Homo sapiens chromosome 5, BAC clone 203o13 (LBNL H155), complete sequence.//1.5e-
67:501:83//AC005609

- R-HEMBA1006416//Homo sapiens chromosome 17, clone 347_H_5, complete sequence//4.4e-37:319:76//AC002119
- R-HEMBA1006419//Homo sapiens chromosome 17, clone HCIT542B22, complete sequence//2.9e-50:502:75//AC004253
- 5 R-HEMBA1006421//Homo sapiens chromosome 14q24.3 clone BAC270M14 transforming growth factor-beta 3 (TGF-beta 3) gene, complete cds; and unknown genes//4.1e-116:572:97//AF107885
- R-HEMBA1006424//Human DNA sequence from clone 51J12 on chromosome 6q26-27. Contains the 3' part of the alternatively spliced gene for the human orthologs of mouse QKI-7 and QKI-7B (KH Domain RNA Binding proteins) and zebrafish ZKQ-1 (Quaking protein homolog). Contains ESTs, STSs and GSSs, complete sequence//9.4e-117:578:97//AL031781
- 10 R-HEMBA1006426//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 291J10, WORKING DRAFT SEQUENCE//2.2e-08:353:63//Z93017
- R-HEMBA1006438//HS_2008_A1_D04_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2008 Col=7 Row=G, genomic survey sequence//1.2e-29:194:91//AQ245162
- 15 R-HEMBA1006445//Homo sapiens clone RG219E16, WORKING DRAFT SEQUENCE, 3 unordered pieces//0.011:330:60//AC005075
- R-HEMBA1006446//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence//0.032:256:61//AE001398
- R-HEMBA1006461//Homo sapiens Xp22 Cosmids U15E4, U115H5, U132E12, U115B9 (Lawrence Livermore human cosmid library) complete sequence//5.6e-35:229:77//AC002364
- 20 R-HEMBA1006467//Homo sapiens Chromosome 9p22 Cosmid clone 34a5, complete sequence//11.1e-14:354:63//AC002052
- R-HEMBA1006471
- R-HEMBA1006474//p40, p24 [Borna disease virus BDV, WT-1, Halle B1/91, horse brain, field isolate, Genomic RNA, 1138 nt, segment 1 of 3]//1.1e-14:442:60//S67502
- 25 R-HEMBA1006483//Human chromosome 16p13.1 BAC clone CIT987SK-551G9 complete sequence//3.7e-37:290:82//U95742
- R-HEMBA1006485//H.sapiens mRNA for aminopeptidase//7.6e-91:517:91//Y07701
- R-HEMBA1006486//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces//1.1e-33:289:81//AC005089
- 30 R-HEMBA1006489//Human DNA sequence from clone 192P9 on chromosome Xp11.23-11.4. Contains a pseudogene similar to rat Plasmolipin. ESTs and GSSs, complete sequence//6.0e-07:485:60//AL020989
- R-HEMBA1006492//Homo sapiens chromosome 17, clone hRPK.269_G_24, complete sequence//4.3e-112:572:95//AC005828
- 35 R-HEMBA1006494//Homo sapiens chromosome 17, clone HRPC987K16, complete sequence//2.3e-10:186:67//AC002994
- R-HEMBA1006497//RPCI11-16L10.TPB RPCI-11 Homo sapiens genomic clone RPCI-11-16L10, genomic survey sequence//1.5e-10:75:100//B88015
- R-HEMBA1006502//Human DNA sequence from clone 272E8 on chromosome Xp22.13-22.31. Contains a pseudogene similar to MDM2-Like P53-binding protein gene. Contains STSs, GSSs and a CA repeat polymorphism, complete sequence//3.3e-36:516:70//Z93929
- 40 R-HEMBA1006507//Homo sapiens mRNA for KIAA0666 protein, partial cds//1.2e-115:570:96//AB014566
- R-HEMBA1006521//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 54B20, WORKING DRAFT SEQUENCE//2.2e-20:266:71//Z98304
- 45 R-HEMBA1006530//RPCI11-52M1.TJ RPCI11 Homo sapiens genomic clone R-52M1, genomic survey sequence//0.00015:227:64//AQ052526
- R-HEMBA1006535//HS_2234_B1_B07_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2234 Col=13 Row=D, genomic survey sequence//7.5e-33:191:95//AQ129525
- R-HEMBA1006540//Homo sapiens clone GS051M12, complete sequence//0.026:497:58//AC005007
- 50 R-HEMBA1006546//Homo sapiens chromosome 19, cosmid R33496, complete sequence//5.2e-41:289:86//AC004603
- R-HEMBA1006559//Mus musculus PRAJA1 (Praja1) mRNA, complete cds//3.4e-64:551:78//U06944
- R-HEMBA1006562//Human Chromosome 11p11.2 PAC clone pDJ404m15, complete sequence//5.7e-09:266:66//AC002554
- 55 R-HEMBA1006566//HS_2171_B1_B04_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2171 Col=7 Row=D, genomic survey sequence//0.012:306:61//AQ125421
- R-HEMBA1006569//Ovis aries beta actin mRNA, complete cds//3.8e-70:529:82//U39357
- R-HEMBA1006579//Homo sapiens BAC clone NH0115E20 from Y, complete sequence//1.0:141:65//AC006032

R-HEMBA1006583//CIT-HSP-2377M16.TR CIT-HSP Homo sapiens genomic clone 2377M16, genomic survey sequence.//1.7e-31:271:76//AQ111875

R-HEMBA1006595//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.093:270:61//AC004709

5 R-HEMBA1006597//Homo sapiens P1 clone GSP13996 from 5q12, complete sequence.//2.7e-45:371:80//AC005031

R-HEMBA1006612

R-NNNNNNNNNNNN//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 8B22, WORKING DRAFT SEQUENCE.//2.1e-20:229:77//AL031737

10 R-HEMBA1006624//Human DNA sequence from clone 406A7 on chromosome 6q23-24. Contains three pseudo-genes similar to Elongation Factor 1-Alpha (EF-1-ALPHA, Statin S1), 60S Acidic Ribosomal Protein P1 and NADH-Ubiquinone Oxidoreductase 15 kDa subunit, and part of the Microtubule Associated Protein E-MAP-115 gene. Contains ESTs, STSs and GSSs, complete sequence.//4.8e-40:321:83//AL023284

R-HEMBA1006631//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 20208, WORKING DRAFT SEQUENCE.//1.5e-45:477:77//AL031848

15 R-HEMBA1006635//***ALU WARNING: Human Alu-Sp subfamily consensus sequence.//8.0e-40:245:91//U14572

R-HEMBA1006639

R-HEMBA1006643

R-HEMBA1006648//Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds.//2.5e-106:567:94//U40282

20 R-HEMBA1006652//Human BAC clone RG308B22 from 7q22-q31, complete sequence.//8.7e-54:334:76//AC002089

R-HEMBA1006653//Homo sapiens 7q telomere, complete sequence.//5.0e-36:207:89//AF027390

R-HEMBA1006665//HS_3213_B2_D04_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3213 Col=8 Row=H, genomic survey sequence.//1.2e-21:235:67//AQ175625

25 R-HEMBA1006674//H.sapiens telomeric DNA sequence, clone 9QTEL023, read 9QTELOO023.seq.//2.6e-32:212:83//Z96776

R-HEMBA1006676//Plasmodium falciparum MAL3P6, complete sequence.//1.9e-10:436:60//Z98551

R-HEMBA1006682//Plasmodium falciparum (strain Dd2) variant-specific surface protein (var-1) gene, complete cds.//6.1e-06:477:59//L40608

30 R-HEMBA1006695//Homo sapiens clone RG339C12, WORKING DRAFT SEQUENCE, 10 unordered pieces.//1.8e-30:266:80//AC005096

R-HEMBA1006696

R-HEMBA1006708

R-HEMBA1006709//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 715N11, WORKING DRAFT SEQUENCE.//6.8e-14:139:82//AL031674

35 R-HEMBA1006717

R-HEMBA1006737//Homo sapiens chromosome 17, clone hRPK.269_G_24, complete sequence.//9.9e-18:365:66//AC005828

R-HEMBA1006744//Human Chromosome 16 BAC clone CIT987SK-327O24, complete sequence.//1.3e-37:380:75//AC003108

40 R-HEMBA1006754//Homo sapiens chromosome 5, P1 clone 962c5 (LBNL H87), complete sequence.//2.1e-75:338:85//AC003951

R-HEMBA1006758//Homo sapiens chromosome 5, BAC clone 182a8 (LBNL H161), complete sequence.//1.2e-112:579:95//AC005752

45 R-HEMBA1006767//Plasmodium falciparum MAL3P6, complete sequence.//0.00022:528:58//Z98551

R-HEMBA1006779//Homo sapiens chromosome 17, clone hRPK.628_E_12, complete sequence.//2.3e-46:305:87//AC005701

R-HEMBA10067801//Human DNA sequence from clone 243E7 on chromosome 22q12.1. Contains ESTs, STSs and GSSs, complete sequence.//7.2e-39:305:82//AL022323

50 R-HEMBA1006789//Streptomyces coelicolor cosmid 6G4.//0.0085:449:61//AL031317

R-HEMBA1006795//Homo sapiens chromosome 17, clone hRPK.346_K_10, complete sequence.//4.1e-43:355:801//AC006120

R-HEMBA1006796//HS_3038_B2_H11_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3038 Col=22 Row=P, genomic survey sequence.//0.99:158:63//AQ102483

55 R-HEMBA1006807//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces.//8.4e-47:481:75//AC004854

R-HEMBA1006821//Homo sapiens chromosome 17, clone hRPC.62_O_9, complete sequence.//3.0e-08:84:90//AC004797

- R-HEMBA1006824//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island //3.7e-54:496:76//Z93023
- R-HEMBA1006832//Homo sapiens chromosome 17, clone hRPK.243_K_12, complete sequence //0.70:206:65//AC005668
- 5 R-HEMBA1006849//Homo sapiens 12q24.1 PAC RPCI3-521E19 (Roswell Park Cancer Institute Human PAC library) complete sequence //1.2e-46:281:91//AC004217
- R-HEMBA1006865//Mus musculus clone 101 B1 repeat region sequence //0.61:115:70//AF056074
- R-HEMBA1006885 4.2e-14:379:63//AG006839
- 10 R-HEMBA1006900//CIT-HSP-2006M20.TR CIT-HSP Homo sapiens genomic clone 2006M20, genomic survey sequence //2.6e-07:230:66//B56395
- R-HEMBA1006921//Homo sapiens PAC clone DJ0777O23 from 7p14-p15, complete sequence //2.1e-68:267:86//AC005154
- R-HEMBA1006926
- 15 R-HEMBA1006929//HS_3244_A2_C01_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3244 Col=2 Row=E, genomic survey sequence //6.9e-21:191:83//AQ207500
- R-HEMBA1006936
- R-HEMBA1006938//Colias philodice eriphyle large subunit ribosomal RNA gene, partial sequence; tRNA-Val gene, complete sequence; and small subunit ribosomal RNA gene, partial sequence, mitochondrial genes for mitochondrial RNAs //0.11:309:59//AF044853
- 20 R-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein //2.0e-75:371:98//AJ010841
- R-HEMBA1006949//Homo sapiens PAC clone DJ0777G09 from 7q34-q36, complete sequence //0.47:240:63//AC005518
- R-HEMBA1006973//HS_2009_A2_A12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2009 Col=24 Row=A, genomic survey sequence //9.6e-05:407:60//AQ232302
- 25 R-HEMBA1006976//RPCI11-49L11.TJ RPCI11 Homo sapiens genomic clone R-49L11, genomic survey sequence //0.0018:184:63//AQ051701
- R-HEMBA1006993//Human thymopoietin (TMPO) gene, partial exon 6, complete exon 7, partial exon 8, and partial cds for thymopoietin beta //1.9e-47:394:79//U18271
- 30 R-HEMBA1006996//CIT-HSP-2172D17.TF CIT-HSP Homo sapiens genomic clone 2172D17, genomic survey sequence //1.8e-07:365:62//B93406
- R-HEMBA1007002//Plasmodium falciparum MAL3P2, complete sequence //0.0012:505:56//AL034558
- R-HEMBA1007017//Homo sapiens chromosome 17, clone hRPK.597_M_12, complete sequence //5.6e-41:437:71//AC005277
- 35 R-HEMBA1007018//G.gallus mRNA for dynein light chain-A //8.2e-73:556:80//X79088
- R-HEMBA1007045
- R-HEMBA1007051//Human DNA sequence from cosmid N69F4 on chromosome 22q11.2-qter contains EST //9.9e-27:342:71//Z72006
- R-HEMBA1007052//Homo sapiens FSHD-associated repeat DNA, proximal region //5.4e-85:558:87//U85056
- 40 R-HEMBA1007062
- R-HEMBA1007066
- R-HEMBA1007073//Homo sapiens chromosome 17, clone hRPK.421_E_14, complete sequence //2.0e-66:476:85//AC006141
- R-HEMBA1007078//Homo sapiens chromosome 17, clone hRPK.60_A_24, complete sequence //1.0e-38:179:82//AC005325
- 45 R-HEMBA1007085//Homo sapiens clone DJ0965K10, WORKING DRAFT SEQUENCE, 6 unordered pieces //3.2e-49:551:73//AC006015
- R-HEMBA1007087//Human Chromosome 11 pac pDJ392a17, complete sequence //1.0:261:61//AC000385
- R-HEMBA1007112//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 37 unordered pieces //0.043:295:62//AC004803
- 50 R-HEMBA1007113//Homo sapiens (subclone 6_a8 from P1 H16) DNA sequence //1.4e-52:307:87//L43392
- R-HEMBA1007129//Human DNA sequence from PAC 863K19 on chromosome X. Contains STS //1.2e-08:131:75//Z92547
- R-HEMBA1007147//H.sapiens CpG island DNA genomic MseI fragment, clone 65f1, reverse read cpg65f1.r11a //0.16:187:64//Z62246
- 55 R-HEMBA1007149//Homo sapiens chromosome 19, cosmid F23149, complete sequence //7.6e-108:543:96//AC005239
- R-HEMBA1007151//Homo sapiens PAC clone DJ0745K06 from 7q31, complete sequence //0.14:323:58//

- AC004875
 R-nnnnnnnnnnnnn//Homo sapiens epsin 2a mRNA, complete cds//5.1e-103:529:94//AF062085
 R-HEMBA1007178//Homo sapiens chromosome 12p13.3 clone RPC111-372B4, WORKING DRAFT SEQUENCE,
 129 ordered pieces//5.4e-106:537:96//AC005911
- 5 R-HEMBA1007194//Homo sapiens Xp22 bins 87-93 PAC RPC11:122K4 (Roswell Park Cancer Institute Human
 PAC Library) complete sequence//4.1e-39:262:80//AC003035
 R-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds//5.3e-61:332:95//D86987
 R-HEMBA1007206//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains
 ESTs STS and CpG island//1.9e-50:436:81//Z93023
- 10 R-HEMBA1007224//Homo sapiens mRNA for KIAA0797 protein, partial cds//2.3e-96:471:97//AB018340
 R-HEMBA1007251//Homo sapiens chromosome 5, PAC clone 247f3 (LBNL H85), complete sequence//0.011:
 349:62//AC004777
 R-HEMBA1007256//Homo sapiens PAC clone DJ0676L20 from 7q35-q36, complete sequence//2.8e-10:224:70//
 AC004856
- 15 R-HEMBA1007267//Homo sapiens Chr.14 PAC RPC14-794B2 (Roswell Park Cancer Institute Human PAC Library)
 complete sequence//3.4e-53:362:86//AC005924
 R-HEMBA1007273
 R-HEMBA1007279//Rickettsia prowazekii strain Madrid E, complete genome; segment 4/4//0.042:454:57//
 AJ235273
- 20 R-HEMBA1007281//Rickettsia prowazekii strain Madrid E, complete genome; segment 3/4//0.99:288:60//
 AJ235272
 R-HEMBA1007288//Human DNA sequence from clone 422G23 on chromosome 6q24 Contains EST, STS, GSS,
 CpG island, complete sequence//7.4e-107:554:95//AL031003
 R-HEMBA1007300//Caenorhabditis elegans cosmid C48C5//0.22:474:59//J39994
- 25 R-HEMBA1007301
 R-HEMBA1007319//Campylobacter jejuni repetitive DNA, clone pINT//4.9e-08:524:58//Y14425
 R-HEMBA1007320//Homo sapiens genomic DNA, chromosome 21q11.1; segment 14/28, WORKING DRAFT SE-
 QUENCE//3.4e-16:244:71//AP000043
 R-HEMBA1007322//Homo sapiens BAC clone RG324D18 from 7p15-p21, complete sequence//3.9e-83:383:85//
 AC005251
- 30 R-HEMBA1007327//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 7706, WORKING
 DRAFT SEQUENCE//1.6e-38:533:71//Z96804
 R-HEMBA1007341//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 268D13, WORKING
 DRAFT SEQUENCE//3.6e-21:394:66//AL023513
- 35 R-HEMBA1007342//Human BAC clone GS368F15 from 7q31, complete sequence//1.7e-15:190:73//AC003080
 R-HEMBA1007347//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone N38G6, WORKING
 DRAFT SEQUENCE//2.2e-47:455:77//Z96802
 R-HEMBA1000005//Homo sapiens 3p21.1-9 PAC RPC14-793P23 (Roswell Park Cancer Institute Human PAC Li-
 brary) complete sequence//1.1e-62:539:79//AC006208
- 40 R-HEMBA1000008//Homo sapiens chromosome 17, clone hCIT.211_P_7, complete sequence//1.2e-36:285:83//
 AC003665
 R-HEMBA1000018//Homo sapiens clone DJ0038110, WORKING DRAFT SEQUENCE, 5 unordered pieces//1.2e-
 51:416:79//AC004820
 R-HEMBA1000024//Human DNA sequence from BAC 175E3 on chromosome 22q11.2-qter. Contains ESTs, STSs
 and polymorphic CA repeat//3.9e-18:211:79//Z95113
- 45 R-HEMBA1000025//HS_3064_B2_B07_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3064 Col=14 Row=D, genomic survey sequence//5.9e-40:254:90//AQ132765
 R-HEMBA1000030//Human DNA sequence from clone 108K11 on chromosome 6p21 Contains SRP20 (SR protein
 family member), Ndr protein kinase gene similar to yeast suppressor protein SRP40, EST and GSS, complete
 sequence//1.5e-32:452:70//Z85986
- 50 R-HEMBA1000036//CIT-HSP-2024L15.TF CIT-HSP Homo sapiens genomic clone 2024L15, genomic survey se-
 quence//9.3e-63:541:77//B66264
 R-HEMBA1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//7.6e-91:467:97//
 AF084928
- 55 R-HEMBA1000039//Homo sapiens chromosome 17, clone hRPK.401_O_9, complete sequence//2.4e-44:456:
 68//AC005291
 R-HEMBA1000044//Human BAC clone RG016J04 from 7q21, complete sequence//1.4e-54:307:80//AC002064
 R-HEMBA1000048//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-279B10, complete sequence//3.8e-

09:330:63//AC002300

R-HEM BB1000050//Human DNA sequence from PAC 436M11 on chromosome Xp22.11-22.2. Contains the serine threonine protein phosphatase gene PPEF1, and the first coding exon of the RS1 gene for retinoschisis (X-linked, juvenile) 1 (XLR1). Contains ESTs, an STS and GSSs, complete sequence.//6.7e-12:225:65//Z94056

5 R-HEM BB1000054//Human DNA sequence from clone 444C7 on chromosome 6p22.3-23. Contains an EST, an STS and GSSs, complete sequence.//8.9e-76:557:82//AL033521

R-HEM BB1000055//Human housekeeping (Q1Z 7F5) gene, exons 2 through 7, complete cds.//1.6e-88:350:86//M81806

10 R-HEM BB1000059//Homo sapiens clone DJ0850I01, WORKING DRAFT SEQUENCE, 1 unordered pieces.//4.9e-12:356:65//AC006009

R-HEM BB1000083//Homo sapiens clone DJ0607J02, WORKING DRAFT SEQUENCE, 12 unordered pieces.//3.7e-41:311:82//AC004840

R-HEM BB1000089//Homo sapiens clone DJ1021I20, WORKING DRAFT SEQUENCE, 6 unordered pieces.//3.6e-34:314:78//AC005520

15 R-HEM BB1000099//Homo sapiens DNA sequence from BAC 1216H12 on chromosome 22q12. Contains a pseudogene with similarity to part of mouse Ninein and the KIAA0609 gene for a protein similar to C. elegans K09C8.4. Contains ESTs, GSSs and a ggtt repeat polymorphism, complete sequence.//8.8e-32:434:71//AL008715

R-HEM BB1000103//Human DNA sequence from BAC 445C9 on chromosome 22q12.1. Contains CRYBB1, beta

20 B1 crystallin, CRYBA4, beta A4 crystallin, high mobility group-1 protein (HMG-1), ESTs.//2.5e-16:207:74//Z95115
R-HEM BB1000113//HS_3013_A1_B08_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3013 Col=15 Row=C, genomic survey sequence.//0.94:211:63//AQ118730

R-HEM BB1000119//Homo sapiens ASMTL gene.//1.9e-106:531:96//Y15521

R-HEM BB1000136//Human Chromosome X, complete sequence.//0.00073:359:59//AC002407

25 R-HEM BB1000141//Homo sapiens chromosome 21q22.3 PAC 39C17, complete sequence.//6.8e-41:280:74//AF043945

R-HEM BB1000144//Homo sapiens chromosome 17, clone hCIT.507_E_2, complete sequence.//0.00083:206:66//AC004134

R-HEM BB1000173//Homo sapiens, WORKING DRAFT SEQUENCE, 97 unordered pieces.//2.5e-82:401:90//AC004085

30 R-HEM BB1000175

R-HEM BB1000198//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//0.91:428:56//AL021368

35 R-HEM BB1000215//Homo sapiens DNA sequence from PAC 69E11 on chromosome 1q23-24. Contains a NADH-Ubiquinone Oxidoreductase MLRQ subunit (EC 1.6.5.3, EC 1.6.99.3, CI-MLRQ) LIKE pseudogene, a 60S Ribosomal protein L34 LIKE pseudogene, an unknown gene similar to yeast YPR037W and worm C02C2.6 predicted genes, a predicted CpG island, ESTs and an STS, complete sequence.//4.4e-54:298:91//AL021397

40 R-HEM BB1000217

R-HEM BB1000218//Homo sapiens 12q24 PAC RPCI1-66E7 (Roswell Park Cancer Institute Human PAC library) complete sequence.//5.8e-32:517:70//AC004216

45 R-HEM BB1000226//Human DNA sequence from cosmid COS12 from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3. Contains ESTs, Flanking sequences of 3' alpha globin HVR and CpG island.//2.5e-77:450:92//Z69706

R-HEM BB1000240//Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen gene families.//4.1e-05:310:62//AF029308

R-HEM BB1000244//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1112F19, WORKING DRAFT SEQUENCE.//1.3e-43:278:85//AL034420

50 R-HEM BB1000250//Human DNA sequence from clone 34B20 on chromosome 6p21.31-22.2. Contains seventeen Histone (pseudo)genes and a 40S Ribosomal protein S10 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//3.8e-16:484:64//AL031777 R-HEM BB1000258//Human hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds.//4.3e-11:286:67//U91328

55 R-HEM BB1000264//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//1.2e-42:406:79//AF079765

R-HEM BB1000266//RPCI11-76C20.TV RPCI11 Homo sapiens genomic clone R-76C20, genomic survey sequence.//1.0:232:59//AQ265533

- R-HEM BB1000272//HS_3032_B1_H06_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3032 Col=11 Row=P, genomic survey sequence//0.0082:209:62//AQ096702
- R-HEM BB1000274//Homo sapiens Chromosome 22q11.2 Cosmid Clone 817g In IGLC Region, complete sequence//1.6e-45:277:72//AC000053
- 5 R-HEM BB1000284//Homo sapiens full-length insert cDNA clone YY88A05//6.9e-112:572:96//AF088018
- R-HEM BB1000307//Homo sapiens chromosome 17, clone hRPK.471_L_13, complete sequence//5.7e-96:523:93//AC005244
- R-HEM BB1000312//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 32B1, WORKING DRAFT SEQUENCE//7.5e-21:218:67//AL023693
- 10 R-HEM BB1000317//Toxoplasma gondii chloroplast, complete genome//0.062:354:58//U87145
- R-HEM BB1000318//Human DNA sequence from PAC 292H14 on chromosome Xp21. Contains STS and CA repeat polymorphism//4.5e-52:302:81//AL008710
- R-HEM BB1000335//Homo sapiens chromosome 5, P1 clone 1041F10 (LBNL H88), complete sequence//1.9e-16:139:84//AC005179
- 15 R-HEM BB1000336//Homo sapiens complete genomic sequence between D16S3070 and D16S3275, containing Familial Mediterranean Fever gene disease//0.0062:231:64//AJ003147
- R-HEM BB1000337//CIT-HSP-2329010.TF CIT-HSP Homo sapiens genomic clone 2329O10, genomic survey sequence//1.2e-31:192:92//AQ035976
- R-HEM BB1000338//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence//1.9e-39:477:71//AC004605
- 20 R-HEM BB1000339//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 862K6, WORKING DRAFT SEQUENCE//4.1e-54:357:76//AL031681
- R-HEM BB1000341//Homo sapiens 12q24 PAC RPC13-424M6 (Roswell Park Cancer Institute Human PAC library) complete sequence//1.8e-19:501:63//AC002350
- 25 R-HEM BB1000343//Homo sapiens chromosome 16, cosmid clone 367E12 (LANL), complete sequence//3.6e-41:457:72//AC004644
- R-HEM BB1000354//Human DNA sequence from PAC 560B9 on chromosome 1q24-1q25. Contains profilin-like pseudogene, 60S ribosomal protein L4 pseudogene RNA binding protein, ESTs, GSS//7.2e-36:325:74//Z98751
- R-HEM BB1000369//Homo sapiens chromosome 4 clone B366Q24 map 4q25, complete sequence//9.0e-25:179:79//AC004067
- 30 R-HEM BB10003741//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 75N14, WORKING DRAFT SEQUENCE//8.4e-58:332:79//Z97199
- R-HEM BB1000376//Homo sapiens DNA for amyloid precursor protein, complete cds//2.1e-47:309:88//D87675
- R-HEM BB1000391//Homo sapiens clone RG269P13, WORKING DRAFT SEQUENCE, 6 unordered pieces//5.7e-46:302:85//AC005080
- 35 R-HEM BB1000399//Homo sapiens Rad17-like protein (RAD17) mRNA, complete cds//1.0e-107:531:97//AF076838
- R-HEM BB1000402//Human DNA sequence from clone 505B13 on chromosome 1p36.2-36.3 Contains CA repeat and GSSs, complete sequence//1.1e-25:441:67//Z98052
- 40 R-HEM BB1000404//HS_2246_A2_D01_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2246 Col=2 Row=G, genomic survey sequence//0.0025:196:63//AQ084251
- R-HEM BB1000420//Homo sapiens Chromosome 22q11.2 Cosmid Clone 817g In IGLC Region, complete sequence//1.2e-29:358:72//AC000053
- R-HEM BB1000434//Homo sapiens chromosome 4 clone B71M12 map 4q25, complete sequence//2.8e-51:299:89//AC004069
- 45 R-HEM BB1000438//HS_2239_B2_E08_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2239 Col=16 Row=J, genomic survey sequence//1.3e-10:76:100//AQ067700
- R-HEM BB1000441//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 424J12, WORKING DRAFT SEQUENCE//4.4e-60:281:90//Z82207
- 50 R-HEM BB1000449//Homo sapiens clone DJ0898O18, WORKING DRAFT SEQUENCE, 8 unordered pieces//4.8e-11:228:68//AC004920
- R-HEM BB1000455//Homo sapiens clone GS051M12, complete sequence//3.1e-14:388:65//AC005007
- R-HEM BB1000472//Homo sapiens chromosome 17, clone HCIT48C15, complete sequence//4.9e-34:320:79//AC003104
- 55 R-HEM BB1000480//Human DNA sequence from Fosmid 65B7 on chromosome 22q11.2-qter. Contains exons 6-12 of the SLC5A1 (SGLT1) gene for solute carrier family 5 (sodium/glucose cotransporter) member 1 (High Affinity Sodium-Glucose Cotransporter), complete sequence//3.4e-36:285:82//Z83849
- R-HEM BB1000487

- R-HEMBB1000490//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1185N5, WORKING DRAFT SEQUENCE //1.5e-34:281:81//AL034423
- R-HEMBB1000491//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island //8.5e-37:483:72//Z93023
- 5 R-HEMBB1000493//Human DNA sequence from clone 109F14 on chromosome 6p21.2-21.3. Contains the alternatively spliced gene for Transcriptional Enhancer Factor TEF-5, the 60S Ribosomal Protein RPL10A gene, a PUTATIVE ZNF127 LIKE gene, and the PPARD for Peroxisome Proliferator Activated Receptor Delta (PPAR-Delta, PPAR-Beta, Nuclear Hormone Receptor 1, NUC1, NUCI, PPARB). Contains three putative CpG islands, ESTs, STSs, GSSs and a ca repeat polymorphism, complete sequence //7.6e-14:217:71//AL022721
- 10 R-HEMBB1000510//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 27K12, WORKING DRAFT SEQUENCE //7.1e-44:221:80//AL033397
- R-HEMBB1000518//Human PAC clone DJ327A19 from Xq25-q26, complete sequence //3.5e-51:280:90//AC002477
- R-HEMBB1000523//Homo sapiens PAC clone DJ0167F23 from 7p15, complete sequence //1.7e-53:304:82//AC004079
- 15 R-HEMBB1000530//Homo sapiens chromosome 17, clone hCIT.162_E_12, complete sequence //4.2e-74:428:92//AC006236
- R-HEMBB1000550//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence //5.6e-13:112:80//U91321
- 20 R-HEMBB1000554//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 409J21, WORKING DRAFT SEQUENCE //5.1e-14:239:63//Z83824
- R-HEMBB1000556//Homo sapiens envoplakin (EVPL) mRNA, complete cds //0.031:275:60//U53786
- R-HEMBB1000564//Homo sapiens chromosome 5, Bac clone 189 (LBNL H135), complete sequence //3.1e-17:227:76//AC005914
- 25 R-HEMBB1000573//Borrelia afzelii (strain NT28) DNA, internal transcribed spacer //0.078:161:63//D84405
- R-HEMBB1000575//Homo sapiens chromosome 17, clone hRPC:859_O_20, complete sequence //7.2e-52:260:80//AC003695
- R-HEMBB1000586//Human DNA sequence from cosmid V210E9, between markers DXS366 and DXS87 on chromosome X //2.0e-33:305:79//Z70280
- 30 R-HEMBB1000589//Homo sapiens chromosome 17, clone hRPK.1064_E_11, complete sequence //1.3e-14:409:65//AC005208
- R-HEMBB1000591//Homo sapiens Xp22 bins 45-47 BAC GSHB-665N22 (Genome Systems Human BAC Library) complete sequence //6.2e-39:493:71//AC005184
- R-HEMBB1000592//Homo sapiens 12p13.3 PAC RPC15-1180D12 (Roswell Park Cancer Institute Human PAC Library) complete sequence //1.6e-08:254:64//AC005831
- 35 R-HEMBB1000598//Homo sapiens chromosome 11 pac pDJ159ol, complete sequence //3.3e-38:407:76//AC000381
- R-HEMBB1000623//CIT-HSP-2374P17.TR CIT-HSP Homo sapiens genomic clone 2374P17, genomic survey sequence //1.3e-41:212:100//AQ109717
- 40 R-HEMBB1000630//Human DNA sequence from clone 413H6 on chromosome 6p22.3-24.3. Contains a hamster Androgen-dependent Expressed Protein like protein gene, ESTs and GSSs, complete sequence //5.2e-31:319:78//AL022724
- R-HEMBB1000631//Sequence 28 from patent US 5708157 //6.8e-20:208:80//I80058
- R-HEMBB1000632//Homo sapiens Cosmid C4, WORKING DRAFT SEQUENCE, 1 ordered pieces //7.4e-47:457:75//AC004176
- 45 R-HEMBB1000637//Human BAC clone RG094H21 from 7q21-q22, complete sequence //2.9e-45:263:87//AC003085
- R-HEMBB1000638//Genomic sequence from Human 6, complete sequence //9.1e-34:375:73//AC002112
- R-HEMBB1000643//HS_2242_A2_B07_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2242 Col=14 Row=C, genomic survey sequence //0.010:239:60//AQ065993
- 50 R-HEMBB1000649//Homo sapiens RBP56/hTAFII68 gene, exon 7 //8.3e-63:306:100//AB010061
- R-HEMBB1000652//Human DNA sequence from PAC 467D16 on chromosome 6p22.3-24.1. Contains the 3' part of the SCA1 (ataxin-1) gene with a poly-glutamine (CAG repeat) polymorphism, the 3' part of the GMPR (GMP reductase, Guanosine 5'-monophosphate oxidoreductase) gene, ESTs and an STS with a polymorphic CA repeat //3.3e-14:450:64//AL009031
- 55 R-HEMBB1000665//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MXA21, complete sequence //0.98:251:63//AB005247
- R-HEMBB1000671//Human DNA sequence from PAC 106C24, between markers DXS294 and DXS730 on chro-

- mosome X.//6.8e-58:296:85//Z83313
 R-HEM BB1000673//CITBI-E1-2506F20.TR CITBI-E1 Homo sapiens genomic clone 2506F20, genomic survey sequence.//0.98:71:76//AQ264731
 R-HEM BB1000684//Human DNA sequence from clone 1158E12 on chromosome Xp11.23-11.4 Contains EST, STS, GSS, CpG island, complete sequence.//2.6e-11:153:77//AL031584
 5 R-nnnnnnnnnnn//Homo sapiens neuroan1 mRNA, complete cds.//2.0e-50:287:93//AF040723
 R-HEM BB1000705//Homo sapiens chromosome 19, cosmid R30538, complete sequence.//3.4e-18:340:65//AC005943
 R-HEM BB1000706//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 462C17, WORKING DRAFT SEQUENCE.//4.7e-10:358:64//AL033380
 10 R-HEM BB1000709//RPCI11-79A8.TV RPCI11 Homo sapiens genomic clone R-79A8, genomic survey sequence.//1.4e-40:262:89//AQ282374
 R-HEM BB1000725//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MGN6, complete sequence.//0.00018:386:60//AB017066
 15 R-HEM BB1000726//Homo sapiens PAC clone DJ1185I07 from 7q11.23-q21, complete sequence.//1.5e-48:316:88//AC004990
 R-HEM BB1000738//Homo sapiens PAC clone DJ0745K06 from 7q31, complete sequence.//7.1e-53:382:85//AC004875
 R-HEM BB1000749//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces.//6.5e-51:438:80//AC005069
 20 R-HEM BB1000763//Plasmid Col lb-P9 (from E.coli K12) colicin lb promoter region and 5' coding region.//1.0:115:63//K02071
 R-HEM BB1000770//Human Rhesus blood group antigen (RHCE) gene, intron 6, partial sequence.//5.6e-24:183:86//U83205
 25 R-HEM BB1000781//Homo sapiens Xp22 PACs RPC11-263P4 and RPC11-164K3 complete sequence.//0.00054:154:67//AC003046
 R-HEM BB1000789//RPCI11-21I4.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-21I4, genomic survey sequence.//3.0e-09:299:64//B63628
 R-HEM BB1000790//Human Chromosome 16 BAC clone CIT987SK-A-362G6, complete sequence.//4.5e-46:185:85//U95740
 30 R-HEM BB1000794//HS_3253_A1_G06_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3253 Col=11 Row=M, genomic survey sequence.//5.7e-13:172:65//AQ216291
 R-HEM BB1000807
 R-HEM BB1000810//Human BAC clone RG114A06 from 7q31, complete sequence.//1.3e-24:385:71//AC002542
 35 R-HEM BB1000821
 R-HEM BB1000822//CITBI-E1-2517E13.TF CITBI-E1 Homo sapiens genomic clone 2517E13, genomic survey sequence.//4.5e-08:278:64//AQ279944
 R-HEM BB1000826//Homo sapiens genomic DNA, chromosome 21q11.1, segment 14/28, WORKING DRAFT SEQUENCE.//1.2e-44:521:72//AP000043
 40 R-HEM BB1000827//Homo sapiens clone DJ0981O07, complete sequence.//6.8e-43:319:84//AC006017
 R-HEM BB1000831//HS_3247_B2_A09_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3247 Col=18 Row=B, genomic survey sequence.//5.5e-74:381:96//AQ223850
 R-HEM BB1000835//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//4.2e-17:167:80//AL021368
 45 R-HEM BB1000840//Homo sapiens clone DJ1039L24, WORKING DRAFT SEQUENCE, 3 unordered pieces.//7.9e-26:220:73//AC005283
 50 R-HEM BB1000848//Homo sapiens, WORKING DRAFT SEQUENCE, 52 unordered pieces.//7.8e-39:356:79//AC004086
 R-HEM BB1000852//HS_3075_A2_B07_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3075 Col=14 Row=C, genomic survey sequence.//3.4e-11:151:75//AQ138816
 R-HEM BB1000870//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 72E17, WORKING DRAFT SEQUENCE.//1.8e-44:454:75//AL033523
 55 R-HEM BB1000876//Human DNA sequence from clone 91J24 on chromosome 6q24 Contains part of utrophin Gene, part of cytochrome C oxidase gene, EST, CpG island, complete sequence.//0.0016:227:65//AL024474
 R-HEM BB1000883//Homo sapiens chromosome 19, cosmid F19678, complete sequence.//0.62:238:62//

AC005621
R-HEM BB1000887//Synthetic human/adenovirus type 5 recombination junction.//9.9e-24:275:76//M34061
R-HEM BB1000888//CIT-HSP-2282A13.TR CIT-HSP Homo sapiens genomic clone 2282A13, genomic survey se-
quence.//2.4e-05:310:60//AQ000826
5 R-HEM BB1000890//Homo sapiens clone DJ0042M02, WORKING DRAFT SEQUENCE, 20 unordered pieces.//
6.5e-44:305:84//AC005995
R-HEM BB1000893//Homo sapiens BAC clone RG363E19 from 7q31.1, complete sequence.//3.7e-30:265:80//
AC004492
R-HEM BB1000908//RPCI11-13P12.TV RPCI-11 Homo sapiens genomic clone RPCI-11-13P12, genomic survey
10 sequence.//0.98:183:61//B76199
R-HEM BB1000910//Homo sapiens Chromosome 22q11.2 Cosmid Clone 50d10 In IGLC Region, complete se-
quence.//1.7e-28:302:76//AC000024
R-HEM BB1000913//Homo sapiens Xp22 BAC GSHB 526D21 (Genome Systems Human BAC library) complete
sequence.//4.1e-34:314:76//AC003037
15 R-HEM BB1000915//Human chromosome 16p11.2-p12 BAC clone CIT987SK-224D6 complete sequence.//6.3e-
09:536:59//U95739
R-HEM BB1000917//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 169I5, WORKING
DRAFT SEQUENCE.//1.6e-47:234:86//Z93015
R-HEM BB1000927
20 R-HEM BB1000947//CIT-HSP-2287M13.TF CIT-HSP Homo sapiens genomic clone 2287M13, genomic survey se-
quence.//0.090:115:69//B99228
R-HEM BB1000959//Homo sapiens chromosome 17, clone HRPC905N1, complete sequence.//5.7e-89:544:90//
AC003098
R-HEM BB1000973//Arabidopsis thaliana chromosome II BAC F219 genomic sequence, complete sequence.//
25 0.038:377:58//AC005560
R-HEM BB1000975//Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence, complete sequence.//
1.0e-05:342:62//AC006234
R-HEM BB1000981//CIT-HSP-2386J13.TF.1 CIT-HSP Homo sapiens genomic clone 2386J13, genomic survey
sequence.//1.1e-18:231:74//AQ239443
30 R-HEM BB1000985//HS_3184_A1_D12_T7 CIT Approved Human Genomic Sperm Library D. Homo sapiens ge-
nomic clone Plate=3184 Col=23 Row=G, genomic survey sequence.//6.3e-52:286:95//AQ150008
R-HEM BB1000991
R-HEM BB1000996//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3,
complete sequence.//1.4e-42:343:81//AC002368
35 R-HEM BB1001004
R-HEM BB1001008//CITBI-E1-2504L23.TF CITBI-E1 Homo sapiens genomic clone 2504L23, genomic survey se-
quence.//3.1e-57:317:94//AQ262056
R-HEM BB1001011//HS_3017_B1_G03_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3017 Col=5 Row=N, genomic survey sequence.//7.3e-34:237:86//AQ101944
40 R-HEM BB1001014//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 460J8, WORKING
DRAFT SEQUENCE.//2.4e-49:417:80//AL031662
R-HEM BB1001020//Homo sapiens Xp22 BAC GS-377014 (Genome Systems Human BAC library) complete se-
quence.//7.6e-41:303:76//AC002549
R-HEM BB1001024//Homo sapiens (subclone 2_g5 from P1 H16) DNA sequence.//7.4e-48:341:85//L48475
45 R-HEM BB1001037//Homo sapiens 22q11 BAC Clone 489d1 In MDR Region, complete sequence.//2.0e-50:416:
82//AC005527
R-HEM BB1001047//Homo sapiens chromosome 19, cosmid R31973, complete sequence.//8.4e-22:288:71//
AC004699
R-HEM BB1001051//H.sapiens mRNA for FAN protein.//7.1e-18:114:98//X96586
50 R-HEM BB1001056//Homo sapiens clone DJ0953A04, WORKING DRAFT SEQUENCE, 5 unordered pieces.//
6.1e-94:520:93//AC006014
R-HEM BB1001058//Homo sapiens clone UWGC:y17c131 from 6p21, complete sequence.//1.1e-56:242:82//
AC004187
R-HEM BB1001060//Human Tigger1 transposable element, complete consensus sequence.//4.2e-66:323:81//
55 U49973
R-HEM BB1001063//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 523G1, WORKING
DRAFT SEQUENCE.//4.0e-114:556:98//AL034375
R-HEM BB1001068//Homo sapiens liprin-beta2 mRNA, partial cds.//2.8e-105:512:97//AF034803

EP 1 074 617 A2

- R-HEM BB1001096//Human DNA sequence from PAC 246O8, between markers DXS6791 and DXS8038 on chromosome X contains ESTs.//2.4e-13:225:69//Z76735
- R-HEM BB1001102//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//2.4e-35:295:80//AL022577
- 5 R-HEM BB1001105//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 462O23, WORKING DRAFT SEQUENCE.//7.9e-46:380:80//AL031431
- R-HEM BB1001114//Homo sapiens DNA sequence from PAC 119E23 on chromosome Xq25-q27.1. Contains glypican-3 precursor (intestinal protein OCI-5) (GTR2-2),5'UTR. ESTs, STS.//1.1e-38:306:84//Z99570
- 10 R-HEM BB1001117//RPCI11-3518.TK RPCI-11 Homo sapiens genomic clone RPCI-11-3518, genomic survey sequence.//1.5e-08:67:100//AQ047113
- R-HEM BB1001119//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//9.0e-26:481:67//AC003071
- 15 R-HEM BB1001126//Human DNA sequence from clone 441J1 on chromosome 6p24 Contains STS, GSS, complete sequence.//0.045:127:69//Z99495
- R-HEM BB1001133//Human SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit mRNA, complete cds.//5.0e-23:285:73//M25077
- R-HEM BB1001137//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-09, complete sequence.//2.5e-07:334:62//AL010222
- 20 R-HEM BB1001142//Human BAC clone RG164L14 from 7q21-q22, complete sequence.//2.5e-46:412:79//AC002564
- R-HEM BB1001151//Mus musculus IFN alpha-treated embryonic fibroblast mRNA.//1.8e-11:148:77//U51904
- R-HEM BB1001153//RPCI11-10L7.TP RPCI-11 Homo sapiens genomic clone RPCI-11-10L7, genomic survey sequence.//2.3e-34:213:82//B71766
- 25 R-HEM BB1001169//Homo sapiens chromosome 17, clone HCIT39G8, complete sequence.//0.040:465:56//AC003070
- R-nnnnnnnnnnnn//Sequence 1 from patent US 5618695.//2.8e-15:176:80//I40055
- R-HEM BB1001177
- 30 R-HEM BB1001182//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-52, complete sequence.//1.9e-05:174:70//AL010226
- R-HEM BB1001199
- R-HEM BB1001208
- R-HEM BB1001209//RPCI11-41E13.TP RPCI-11 Homo sapiens genomic clone RPCI-11-41E13, genomic survey sequence.//1.1e-95:473:97//AQ029098
- 35 R-HEM BB1001210//Homo sapiens chromosome 16, cosmid clone 330D11 (LANL), complete sequence.//6.2e-08:412:61//AC005199
- R-HEM BB1001218//RPCI11-13L8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-13L8, genomic survey sequence.//1.0e-46:498:74//B75158
- 40 R-HEM BB1001221//RPCI11-62024.TJ RPCI11 Homo sapiens genomic clone R-62024, genomic survey sequence.//3.2e-09:215:68//AQ200950
- R-HEM BB1001234
- R-HEM BB1001242
- R-HEM BB1001249//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.4e-33:361:72//AC005377
- 45 R-HEM BB1001253//Homo sapiens chromosome 3, olfactory receptor pseudogene cluster 1, complete sequence, and myosin light chain kinase (MLCK) pseudogene, partial sequence.//3.8e-105:517:98//AF042089
- R-HEM BB1001254//Methanococcus jannaschii section 3 of 150 of the complete genome.//0.96:203:61//U67461
- R-HEM BB1001267//Human DNA sequence from clone 14O9 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and genomic marker DXS8032, complete sequence.//2.8e-39:320:80//Z98046
- 50 R-HEM BB1001271//Homo sapiens chromosome 17, clone hRPK.349_A_8, complete sequence.//3.9e-47:494:75//AC005544
- 55 R-HEM BB1001282//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 184J9, WORKING DRAFT SEQUENCE.//0.0011:97:79//AL031428
- R-HEM BB1001288
- R-HEM BB1001289//Homo sapiens chromosome 5, BAC clone 343g16 (LBNL H180), complete sequence.//2.0e-

31:301:78//AC005601
R-HEMBB1001294//Homo sapiens BAC clone RG060N22 from 7q21, complete sequence.//0.053:283:60//
AC003083
R-HEMBB1001302
5 R-HEMBB1001304//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 27K12, WORKING
DRAFT SEQUENCE.//6.3e-15:396:64//AL033397
R-HEMBB1001314//Homo sapiens genomic DNA, 21q region, clone: f30F8SpN6, genomic survey sequence.//
3.4e-42:293:86//AG013777
R-HEMBB1001315//Human NFE genomic fragment.//7.5e-30:243:78//M98511
10 R-HEMBB1001317//Homo sapiens chromosome 17, clone hRPC.1028_K_7, complete sequence.//2.3e-39:301:
82//AC004585
R-HEMBB1001326//HS_3054_A1_F12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3054 Col=23 Row=K, genomic survey sequence.//0.90:117:63//AQ106096
R-HEMBB1001331//Mus musculus mRNA for hepatoma-derived growth factor, complete cds, strain:BALB/c.//
15 0.037:103:77//D63850
R-HEMBB1001335//Homo sapiens Xp22 BAC GSHB 526D21 (Genome Systems Human BAC library) complete
sequence.//9.1e-19:229:77//AC003037
R-HEMBB1001337
R-HEMBB1001339//Homo sapiens FSHD-associated repeat DNA, proximal region.//2.9e-45:551:72//U85056
20 R-HEMBB1001346//Homo sapiens phenylalanine-tRNA synthetase (FARS1) mRNA, nuclear gene encoding mi-
tochondrial protein, complete cds.//2.7e-59:292:99//AF097441
R-HEMBB1001348//Homo sapiens clone DJ0691F11, WORKING DRAFT SEQUENCE, 11 unordered pieces.//
9.1e-41:326:82//AC004859
R-HEMBB1001356//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 424J12, WORKING
25 DRAFT SEQUENCE.//1.8e-11:213:67//Z82207
R-HEMBB1001364//HS_3050_A2_F05_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3050 Col=10 Row=K, genomic survey sequence.//1.8e-21:158:91//AQ133940
R-HEMBB1001366//Homo sapiens chromosome 10 clone CIT987SK-1188I5 map 10p11.2-10p12.1, complete se-
quence.//4.1e-37:419:73//AC005876
30 R-HEMBB1001367//Human Chromosome 16 BAC clone CIT987SK-A-234F9, complete sequence.//9.5e-15:201:
75//U91326
R-HEMBB1001369//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 477J10, WORKING
DRAFT SEQUENCE.//1.8e-28:224:83//AL021686
R-HEMBB1001380//HS_2267_B1_F11_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
35 nomic clone Plate=2267 Col=21 Row=L, genomic survey sequence.//4.0e-14:100:95//AQ084896
R-HEMBB1001384//Mus musculus COP9 complex subunit 4 (COPS4) mRNA, complete cds.//9.6e-55:312:81//
AF071314
R-HEMBB1001387//Homo sapiens chromosome 9, P1 clone 8660 (LBNL H105), complete sequence.//1.0:166:
63//AC003953
40 R-HEMBB1001394//Homo sapiens chromosome 17, clone hRPK.215_E_13, complete sequence.//1.4e-55:494:
76//AC005549
R-HEMBB1001410//Homo sapiens PAC clone DJ1102B04 from 7q11.23-7q21, complete sequence.//0.011:208:
63//AC006204
R-HEMBB1001424//Homo sapiens, WORKING DRAFT SEQUENCE, 76 unordered pieces.//1.5e-22:325:69//
45 AC002370
R-HEMBB1001426//Homo sapiens 12q24 PAC RPCI3-424M6 (Roswell Park Cancer Institute Human PAC library)
complete sequence.//1.3e-46:328:84//AC002350
R-HEMBB1001429//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0481P14;
HTGS phase 1, WORKING DRAFT SEQUENCE, 7 unordered pieces.//6.6e-105:550:95//AC006160
50 R-HEMBB1001436
R-HEMBB1001443//HS_2228_A1_B05_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=2228 Col=9 Row=C, genomic survey sequence.//0.37:173:62//AQ066934
R-HEMBB1001449//Homo sapiens clone DJ1129E22, WORKING DRAFT SEQUENCE, 7 unordered pieces.//
2.7e-23:339:69//AC005522
55 R-HEMBB1001454//Homo sapiens chromosome 5, P1 clone 1307e8 (LBNL H60), complete sequence.//1.1e-39:
299:84//AC005355
R-HEMBB1001458//Plasmodium falciparum chromosome 2, section 67 of 73 of the complete sequence.//6.0e-05:
486:59//AE001430

- R-HEM BB1001463//Homo sapiens PAC clone DJ0777023 from 7p14-p15, complete sequence//1.2e-50:317:89//AC005154
- R-HEM BB1001464//CIT-HSP-2370C10.TF CIT-HSP Homo sapiens genomic clone 2370C10, genomic survey sequence//0.20:95:71//AQ107941
- 5 R-HEM BB1001482//Mus musculus clone OST20235, genomic survey sequence//4.3e-09:192:70//AF046762
- R-HEM BB1001500//Human DNA sequence from PAC 465G10 on chromosome X contains Menkes Disease (ATP7A) putative Cu⁺⁺-transporting P-type ATPase exons 2 to 21, PGAM-B, ESTs//1.9e-21:253:70//Z94801
- R-HEM BB1001521//Mus musculus clone OST1209, genomic survey sequence//7.5e-30:332:75//AF046642
- 10 R-HEM BB1001527//Homo sapiens clone DJ241P17, WORKING DRAFT SEQUENCE, 7 unordered pieces//9.5e-55:483:76//AC005000
- R-HEM BB1001531//Human BAC clone 7E17 from 12q, complete sequence//1.3e-08:159:71//AC002070
- R-HEM BB1001535//Human DNA sequence from cosmid E127C11 on chromosome 22q11.2-qter contains STS//4.0e-30:286:79//Z74581
- R-HEM BB1001536//Homo sapiens cosmid clone LUCA16 from 3p21.3, complete sequence//1.6e-39:342:80//U73169
- 15 R-HEM BB1001537//Genomic sequence from Human 9q34, complete sequence//3.7e-41:361:77//AC000394
- R-HEM BB1001555//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-485G10, complete sequence//0.34:212:61//AC003049
- R-HEM BB1001562//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-328A3, complete sequence//8.0e-40:267:88//AC002301
- 20 R-HEM BB1001564//Homo sapiens clone DJ0414A15, WORKING DRAFT SEQUENCE, 9 unordered pieces//5.1e-30:286:76//AC005225
- R-HEM BB1001565//Homo sapiens clone DJ0607J02, WORKING DRAFT SEQUENCE, 12 unordered pieces//2.5e-15:194:75//AC004840
- 25 R-HEM BB1001585//Human DNA sequence from clone 790B6 on chromosome 20p11.22-12.2. Contains STSs and GSSs, complete sequence//2.6e-33:234:79//AL031677
- R-HEM BB1001586//Homo sapiens clone NH0479C13, WORKING DRAFT SEQUENCE, 12 unordered pieces//2.7e-30:371:74//AC005236
- R-HEM BB1001588//Homo sapiens Xp22 GS-52411 (Genome System's Human BAC library), complete sequence//8.0e-32:323:73//AC003106
- 30 R-HEM BB1001603//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-59, complete sequence//0.034:302:59//AL010235
- R-HEM BB1001618//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and OpG island//7.1e-31:503:68//Z93023
- 35 R-HEM BB1001619//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3, complete sequence//3.7e-50:539:72//AC002368
- R-HEM BB1001630//Human DNA sequence from PAC 121G13 on chromosome 6 contains flow sorted chromosome 6 HindIII fragment ESTs. polymorphic CA repeat, CpG island, CpG island genomic fragments//1.3e-27:228:82//Z86062
- 40 R-HEM BB1001635//Homo Sapiens Chromosome X clone bW XD90, complete sequence//1.5e-23:407:69//AC004075
- R-HEM BB1001637//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3, complete sequence//3.9e-54:519:74//AC002368
- R-HEM BB1001641//Human DNA sequence from clone 133H11 on chromosome 6p24. Contains STSs, GSSs and genomic marker D6S410, complete sequence//1.9e-08:464:60//AL024506
- 45 R-HEM BB1001653//Homo sapiens chromosome 17, clone HCIT3L16, WORKING DRAFT SEQUENCE, 7 unordered pieces//2.8e-39:318:82//AC002344
- R-HEM BB1001665//***ALU WARNING: Human Alu-Sp subfamily consensus sequence//3.8e-47:283:90//U14572
- R-HEM BB1001668
- 50 R-HEM BB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds//1.8e-115:573:97//AB014546
- R-HEM BB1001684//Sequence 1 from patent US 5700927//1.9e-40:343:77//I86429
- R-HEM BB1001685//Homo sapiens chromosome 17, clone hRPK.721_K_1, complete sequence//2.6e-43:31:83//AC005411
- R-HEM BB1001695
- 55 R-HEM BB1001704//CIT-HSP-2324C15.TR CIT-HSP Homo sapiens genomic clone 2324C15, genomic survey sequence//0.0074:259:58//AQ028704
- R-HEM BB1001706//Homo sapiens clone DJ0665P05, WORKING DRAFT SEQUENCE, 5 unordered pieces//9.1e-34:296:80//AC004851

- R-HEM BB1001707//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-319E8, complete sequence.//7.7e-32:241:76//AC004020
- R-HEM BB1001717//CIT-HSP-2378C19.TF CIT-HSP Homo sapiens genomic clone 2378C19, genomic survey sequence.//4.8e-35:228:89//AQ108992
- 5 R-HEM BB1001735//Homo sapiens chromosome 5, BAC clone 114k9 (LBNL H94), complete sequence.//1.8e-10:80:90//AC005613
- R-HEM BB1001736//CIT-HSP-2369K6.TF CIT-HSP Homo sapiens genomic clone 2369K6, genomic survey sequence.//9.9e-38:242:90//AQ075221
- 10 R-HEM BB1001747//Homo sapiens cosmids Qc14E2, Qc12H12, Qc11F9, Qc10G9, LA1733 and Qc17B8 from Xq28, complete sequence.//3.3e-60:366:80//U82671
- R-HEM BB1001749//Homo sapiens chromosome 17, clone hRPK.259_G_18, complete sequence.//1.4e-60:242:92//AC005829
- R-HEM BB1001753//RPC111-59J22.TK RPC111 Homo sapiens genomic clone R-59J22, genomic survey sequence.//6.2e-08:281:64//AQ200046
- 15 R-HEM BB1001756//Homo sapiens BAC clone RG293F17 from 7p15-p21, complete sequence.//3.1e-18:395:67//AC004130
- R-HEM BB1001760//Homo sapiens genomic DNA, chromosome 21q11.1, segment 21/28, WORKING DRAFT SEQUENCE.//9.9e-18:416:64//AP000050
- 20 R-HEM BB1001762//Mus musculus major histocompatibility locus class II region: major histocompatibility protein class II alpha chain (IAalpha) and major histocompatibility protein class II beta chain (IEbeta) genes, complete cds; butyrophilin-like (NG9), butyrophilin-like (NG10), hypothetical protein (NG8), and butyrophilin-like (NG11) genes, partial cds; NG12 pseudogene, partial sequence; and hypothetical butyrophilin-like protein (NG13) gene, partial cds.//0.21:521:57//AF050157
- R-HEM BB1001785//Torulopsis glabrata mitochondrial intergenic region ATPase 6 -ATPase 9 genes.//0.00073:189:65//X02170
- 25 R-HEM BB1001797//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.0049:322:62//AC005140
- R-HEM BB1001802//Human desmin gene, complete cds.//8.1e-95:510:93//M63391
- 30 R-HEM BB1001812//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 356B8, WORKING DRAFT SEQUENCE.//1.3e-71:368:96//Z98882
- R-HEM BB1001816//Homo sapiens chromosome 21 PAC LLNLP704G1150Q13.//8.4e-21:164:76//AJ006996
- R-HEM BB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds.//1.7e-104:498:98//AF056209
- 35 R-HEM BB1001836//Homo sapiens chromosome 19, cosmid R26660, complete sequence.//9.2e-44:388:71//AC005328
- R-HEM BB1001839
- R-HEM BB1001850//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MOP10, complete sequence.//0.00093:488:60//AB005241
- 40 R-HEM BB1001863//Human poly(ADP-ribose) polymerase gene, 5' end.//1.2e-16:458:65//M60436
- R-HEM BB1001867//Human DNA sequence from cosmid U25D11, between markers DXS366 and DXS87 on chromosome X.//5.0e-31:399:74//Z68327
- R-HEM BB1001868//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MYN8, complete sequence.//0.26:303:59//AB020754
- 45 R-HEM BB1001869//Homo sapiens chromosome 17, clone hCIT529I10, complete sequence.//7.0e-37:285:85//AC002553
- R-HEM BB1001872//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y44F5, WORKING DRAFT SEQUENCE.//0.093:367:58//AL009027
- R-HEM BB1001874
- 50 R-HEM BB1001875//Lactococcus lactis DPC3147 plasmid pMRC01, complete plasmid sequence.//0.037:406:60//AE001272
- R-HEM BB1001880//Homo sapiens chromosome 17, clone hRPK.235_I_10, complete sequence.//1.3e-49:461:77//AC005922
- R-HEM BB1001899//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y116A8, WORKING DRAFT SEQUENCE.//0.56:295:60//Z98858
- 55 R-HEM BB1001905//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y738F9, WORKING DRAFT SEQUENCE.//1.9e-28:181:75//AL022345
- R-HEM BB1001906
- R-HEM BB1001908//Genomic sequence from Human 17, complete sequence.//2.9e-36:274:76//AC001231

- R-HEM BB1001910//Homo sapiens chromosome 17, clone HCIT39G8, complete sequence.//3.5e-41:408:76//AC003070
- R-HEM BB1001911//Homo sapiens *** SEQUENCING IN PROGRESS *** , WORKING DRAFT SEQUENCE.//6.1e-64:310:89//AJ011929
- 5 R-HEM BB1001915//Mouse mRNA for arylhydrocarbon receptor, complete cds.//2.0e-20:220:78//D38417
- R-HEM BB1001921//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1141E15, WORKING DRAFT SEQUENCE.//1.9e-47:410:80//AL034422
- R-HEM BB1001922//Homo sapiens chromosome 17, clone HCIT421K24, complete sequence.//6.2e-32:378:74//AC004099
- 10 R-HEM BB1001925//Human Chromosome 11 overlapping pacs pDJ235k10 and pDJ239b22, WORKING DRAFT SEQUENCE, 17 unordered pieces.//8.2e-41:304:84//AC000406
- R-HEM BB1001930//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 10/11 //8.3e-12:202:69//AB020867
- R-HEM BB1001944//P.falciparum gene for beta subunit RNA polymerase.//0.00090:264:62//X75544
- 15 R-HEM BB1001945//Swietenia humilis DNA for simple tandem repeat (242bp).//0.056:224:62//AJ000408
- R-HEM BB1001947//RPC111-60L13.TJ RPC111 Homo sapiens genomic clone R-60L13, genomic survey sequence.//7.4e-23:146:94//AQ202335
- R-HEM BB1001950//Human DNA sequence from clone 415G2 on chromosome 22 Contains synapsin IIIa exon 1, EST and GSS, complete sequence.//0.57:115:68//Z83846
- 20 R-HEM BB1001952//Homo Sapiens Chromosome X clone bW XD171, WORKING DRAFT SEQUENCE, 1 ordered pieces //5.6e-36:283:84//AC004676
- R-HEM BB1001953//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces //8.9e-60:334:82//AC005037
- R-HEM BB1001957//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//1.9e-56:518:77//AC005077
- 25 R-HEM BB1001962//Homo sapiens chromosome 16, BAC clone 462G18 (LANL), complete sequence.//3.2e-19:157:86//AC005736
- R-HEM BB1001967//Homo sapiens DNA for amyloid precursor protein, complete cds.//5.7e-68:314:89//D87675
- R-HEM BB1001973//Homo sapiens *** SEQUENCING IN PROGRESS *** from PAC E7.1 / cosmid 40M1, WORKING DRAFT SEQUENCE.//1.4e-37:484:70//AJ009617
- 30 R-HEM BB1001983//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 215D11, WORKING DRAFT SEQUENCE.//2.1e-28:286:75//AL034417
- R-HEM BB1001988//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1112F19, WORKING DRAFT SEQUENCE.//6.9e-29:203:88//AL034420
- 35 R-HEM BB1001990//Homo sapiens full-length insert cDNA clone ZC33G03 //7.8e-95:456:99//AF086192
- R-HEM BB1001996
- R-HEM BB1001997//Homo sapiens clone RG050N15, WORKING DRAFT SEQUENCE, 26 unordered pieces.//6.4e-26:162:83//AC005055
- R-HEM BB1002002//Human DNA sequence from PAC 2A2 on chromosome X contains ESTs.//8.2e-83:362:93//Z84816
- 40 R-HEM BB1002005//Homo sapiens chromosome 3p clone RPC15-1034C16, WORKING DRAFT SEQUENCE, 45 unordered pieces.//8.5e-36:291:83//AC005903
- R-HEM BB1002009//Homo sapiens clone DJ0828F13, complete sequence.//5.6e-08:307:65//AC004904
- R-HEM BB1002015//HS-1039-A1-C10-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 821 Col=19 Row=E, genomic survey sequence.//1.9e-05:375:62//B36336
- 45 R-HEM BB1002042//CIT-HSP-2313E13.TF CIT-HSP Homo sapiens genomic clone 2313E13, genomic survey sequence.//0.34:241:62//AQ028389
- R-HEM BB1002043//Homo sapiens chromosome 21, P1 clone LBL#8 (LBNL H8), complete sequence.//7.4e-35:297:82//AC005612
- 50 R-HEM BB1002044//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//5.8e-96:582:90//AC005740
- R-HEM BB1002045//Homo sapiens chromosome 19, cosmid F22676, complete sequence.//4.7e-63:575:77//AC005778
- R-HEM BB1002049//Human Chromosome X clone bW XD187, complete sequence.1/1.9e-21:384:64//AC004383
- 55 R-HEM BB1002050//Homo sapiens chromosome 17, clone hRPK.112_J_9, complete sequence.//2.5e-37:368:76//AC005553
- R-HEM BB1002068//Homo sapiens chromosome 5, BAC clone 205e20 (LBNL H170), complete sequence.//0.30:167:65//AC004782

EP 1 074 617 A2

R-HEM BB1002069//Homo sapiens chromosome 19, cosmid R33516, complete sequence.//2.3e-73:449:84//AC004799

R-HEM BB1002092//Homo sapiens chromosome 17, clone hRPK.269_G_24, complete sequence.//3.8e-45:307:87//AC005828

5 R-HEM BB1002094//Homo sapiens chromosome 19, cosmid R30538, complete sequence.//3.1e-47:457:76//AC005943

R-HEM BB1002115//HS_2223_B1_G10_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2223 Col=19 Row=N, genomic survey sequence.//3.0e-58:295:98//AQ152279

R-HEM BB1002139//***ALU WARNING: Human Alu-Sq subfamily consensus sequence.//6.6e-49:283:93//U14573

10 R-HEM BB1002142//Homo sapiens clone DJ0813F11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.1e-45:451:76//AC006006

R-HEM BB1002152//Homo sapiens chromosome 10 clone CIT987SK-1079E16 map 10q25, complete sequence.//1.3e-57:359:81//AC005881

R-HEM BB1002189//Human Chromosome 11 pac pDJ392a17, complete sequence.//4.5e-43:420:77//AC000385

15 R-HEM BB1002190//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces.//8.2e-33:340:64//AC004913

R-HEM BB1002193//Sequence 5 from patent US 5709858.//3.2e-23:154:92//I80846

R-HEM BB1002217//Homo sapiens clone HS19.2 Alu-Ya5 sequence.//2.6e-52:415:81//AF015148

R-HEM BB1002218//, complete sequence.//3.4e-17:178:82//AC005300

20 R-HEM BB1002232//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0052122; HTGS phase 1, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.6e-55:292:88//AC004599

R-HEM BB1002247//Homo sapiens chromosome 17, clone hRPK.259_G_18, complete sequence.//2.9e-13:227:70//AC005829

R-HEM BB1002249//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 455J7, WORKING DRAFT SEQUENCE.//1.1e-06:284:64//AL031733

25 R-HEM BB1002254//Human Chromosome X, WORKING DRAFT SEQUENCE, 6 unordered pieces.//6.3e-104:593:91//AC002415

R-HEM BB1002255//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 292E10, WORKING DRAFT SEQUENCE.//2.1e-40:284:85//Z93930

30 R-HEM BB1002266//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-10, complete sequence.//1.3e-09:371:63//AL010216

R-HEM BB1002280//Homo sapiens PAC clone DJ0545C24 from 7q21-q22, complete sequence.//1.3e-39:247:86//AC004534

R-HEM BB1002300//Human Chromosome 11 Cosmid cSRL30h11, complete sequence.//4.1e-84:549:86//U73642

35 R-HEM BB1002306//Homo sapiens BAC clone RG136N17 from 7p15-p21, complete sequence.//2.5e-10:164:71//AC004129

R-HEM BB1002327//Homo sapiens BAC clone GS539F22 from 7p12-p14, complete sequence.//0.39:365:59//AC005028

R-HEM BB1002329//HS-1049-B1-D05-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 771 Col=9 Row=H, genomic survey sequence.//0.96:180:58//B39313

40 R-HEM BB1002340//Homo sapiens PAC clone DJ0659J06 from 7q33-q35, complete sequence.//7.9e-17:258:73//AC004849

R-HEM BB1002342//Homo sapiens mRNA for putative thioredoxin-like protein.//6.9e-96:479:97//AJ010841

R-HEM BB1002358//Human Xp22 BAC CT-285115 (from CalTech/Research Genetics), PAC RPC11-27C22 (from Roswell Park Cancer Center), and Cosmid U35B5 (from Lawrence Livermore), complete sequence.//2.3e-53:309:83//AC002366

45 R-HEM BB1002359//Homo sapiens clone NH0486I22, WORKING DRAFT SEQUENCE, 5 unordered pieces.//4.9e-27:350:74//AC005038

R-HEM BB1002364//Homo sapiens Xp22 PAC RPC11-108M6 (Roswell Park Cancer Center PAC library) complete sequence.//8.6e-53:302:79//AC003036

50 R-HEM BB1002371//Human gene for catalase (EC 1.11.1.6) exon 11 mapping to chromosome 11, band p13.//3.2e-38:199:100//X04094

R-HEM BB1002381//Homo sapiens (JH8) mRNA, partial cds.//3.2e-07:120:78//AF072467

R-HEM BB1002383//Human DNA sequence from cosmid U19H10 on chromosome X. Contains ESTs and CA repeat.//0.98:351:58//AL021182

55 R-HEM BB1002387//HS-1052-B2-G10-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 774 Col=20 Row=N, genomic survey sequence.//2.0e-07:276:67//B41091

R-HEM BB1002415//Homo sapiens chromosome 17, clone hRPK.209_D_14, complete sequence.//1.4e-25:202:

- 79//AC005730
R-HEM BB1002425//Homo sapiens chromosome 19, cosmid R33516, complete sequence//3.6e-60:401:87//AC004799
- 5 R-HEM BB1002442//Homo sapiens clone UWGC:r9a from 6p21, complete sequence//3.1e-51:358:81//AC006046
R-HEM BB1002453//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 86D1, WORKING DRAFT SEQUENCE//1.4e-115:557:98//AL034349
- R-HEM BB1002457//Human DNA sequence from clone 364I22 on chromosome Xq21.31-22.3. Contains an STS and GSSs, complete sequence//6.3e-37:338:80//AL031012
- 10 R-HEM BB1002458//Homo sapiens T-cell receptor alpha delta locus from bases 250472 to 501670 (section 2 of 5) of the Complete Nucleotide Sequence//9.7e-09:314:64//AE000659
R-HEM BB1002477//Arabidopsis thaliana DNA chromosome 4, BAC clone T12H17 (ESSAll project)//0.42:110:74//AL021635
- R-HEM BB1002489//Salvelinus fontinalis microsatellite sequence SFO-12//6.6e-06:167:71//U50302
- 15 R-HEM BB1002492//RPCI11-74F21.TK RPCI11 Homo sapiens genomic clone R-74F21, genomic survey sequence//3.1e-14:410:63//AQ238960
R-HEM BB1002495//HS_3220_A2_F07_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3220 Col=14 Row=K, genomic survey sequence//1.3e-24:137:100//AQ180762
- R-HEM BB1002502//Homo sapiens chromosome 17, clone hRPK.346_K_10, complete sequence//9.6e-81:538:86//AC006120
- 20 R-HEM BB1002509//Human DNA sequence from clone 581F12 on chromosome Xq21. Contains Eukaryotic Translation Initiation Factor EIF3 P35 Subunit and 60S Ribosomal protein L22 pseudogenes. Contains ESTs, complete sequence//0.0061:482:57//AL031313
R-HEM BB1002510//HS_2179_A1_F03_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2179 Col=5 Row=K, genomic survey sequence//6.9e-35:423:72//AQ298309
- 25 R-HEM BB1002520//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 27K12, WORKING DRAFT SEQUENCE//2.0e-62:201:85//AL033397
R-HEM BB1002522//Homo sapiens chromosome 5, Pac clone 61c2 (LBNL H139), complete sequence//0.99:323:58//AC004225
- R-HEM BB1002531
- 30 R-HEM BB1002534//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 2/15. WORKING DRAFT SEQUENCE//1.0e-61:380:79//AP000009
R-HEM BB1002545//RPCI11-2F3.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-2F3, genomic survey sequence//3.5e-12:414:63//B63283
- R-HEM BB1002550
- 35 R-HEM BB1002556//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0481P14; HTGS phase 1, WORKING DRAFT SEQUENCE, 7 unordered pieces//2.6e-62:299:85//AC006160
R-HEM BB1002579//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1141E15, WORKING DRAFT SEQUENCE//1.7e-42:286:88//AL034422
- R-HEM BB1002582//Homo sapiens clone DJ1119N05, complete sequence//3.0e-14:426:60//AC004968
- 40 R-HEM BB1002590//Homo sapiens clone RG132J19, complete sequence//1.1e-30:392:74//AC005163
R-HEM BB1002596//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 508I15, WORKING DRAFT SEQUENCE//8.5e-44:335:83//AL021707
- R-HEM BB1002600//Homo sapiens 12p13.3 PAC RPCI5-1063M23 (Roswell Park Cancer Institute Human PAC Library) complete sequence//2.0e-105:470:96//AC005865
- 45 R-HEM BB1002601//Homo sapiens chromosome 17, clone HRPC837J1, complete sequence//1.3e-44:445:77//AC004223
R-HEM BB1002603//Homo sapiens clone UWGC:y23c049 from 6p21, complete sequence//7.0e-40:321:82//AC006162
- R-HEM BB1002607//CIT-HSP-2347D7.TF CIT-HSP Homo sapiens genomic clone 2347D7, genomic survey sequence//1.1e-44:234:98//AQ060197
- 50 R-HEM BB1002610//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence//7.0e-22:455:65//U91321
R-HEM BB1002613//Homo sapiens 12p13.3 BAC RPCI11-476M19 (Roswell Park Cancer Institute Human BAC Library) complete sequence//3.0e-72:302:85//AC005908
- 55 R-HEM BB1002614//Homo sapiens 12q13.1 PAC RPCI1-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence//3.8e-10:512:60//AC004801
R-HEM BB1002617//Homo sapiens clone DJ1021I20, WORKING DRAFT SEQUENCE, 6 unordered pieces//6.8e-24:486:63//AC005520

- R-HEM BB1002623//Homo sapiens PAC clone DJ1059M17 from 7q21-q31.1, complete sequence.//2.4e-41:326:83//AC004953
- R-HEM BB1002635//Homo sapiens chromosome 12p13.3 clone RPC11-189M20, WORKING DRAFT SEQUENCE, 39 unordered pieces.//2.6e-42:360:80//AC005910
- 5 R-HEM BB1002664//Homo sapiens chromosome 21q22.3 PAC 171F15, complete sequence.//9.1e-51:335:87//AF042090
- R-HEM BB1002677//Plasmodium falciparum strain Dd2 heat shock protein 86 (HSP86), O1 (o1), O3 (o3), O2 (o2), CG8 (cg8), CG4 (cg4), CG3 (cg3), CG9 (cg9), CG1 (cg1), CG6 (cg6), chloroquine resistance candidate protein (cg2), and CG7 (cg7) genes, complete cds.//0.0011:399:59//AF030694
- 10 R-HEM BB1002683//Homo sapiens chromosome 21q22.3 PAC 171F15, complete sequence.//4.1e-55:515:76//AF042090
- R-HEM BB1002684//Human BAC clone RG066D11 from 7q22, complete sequence.//1.7e-18:504:62//AC002430
- R-HEM BB1002686//Homo sapiens full-length insert cDNA clone ZC65D06.//7.0e-85:413:99//AF086217
- R-HEM BB1002692//Homo sapiens 12p13.3 BAC RPC11-319E16 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//9.8e-69:505:82//AC006206
- 15 R-HEM BB1002697//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.26:390:58//AC004153
- R-HEM BB1002699//Human NFE genomic fragment.//8.0e-32:226:79//M98511
- R-HEM BB1002702//CIT-HSP-344K23.TVC CIT-HSP Homo sapiens genomic clone 344K23, genomic survey sequence.//8.6e-43:351:8011859764
- 20 R-HEM BB1002705//Plasmodium yoelii rhopty protein, complete cds.//0.0064:454:59//L27838
- R-HEM BB1002712//Human DNA sequence from clone 505B13 on chromosome 1p36.2-36.3 Contains CA repeat and GSSs, complete sequence.//9.6e-09:187:67//Z98052
- R-MAMMA1000009//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces.//4.1e-21:201:80//AC005037
- 25 R-MAMMA1000019//Homo sapiens chromosome 21q22.2 PAC clone P169K17, complete sequence.//4.2e-48:306:82//AF015720
- R-MAMMA1000020//Human DNA sequence from clone 551E13 on chromosome Xp11.2-11.3 Contains farnesyl pyrophosphate synthetase pseudogene, VT4 protein pseudogene, EST, GSS, complete sequence.//1.4e-41:306:86//AL022163
- 30 R-MAMMA1000025//Human DNA sequence from clone 512B11 on chromosome 6p24-25. Contains the Desmoplakin I (DPI) gene, ESTs, STSs and GSSs, complete sequence.//6.1e-36:281:83//AL031058
- R-MAMMA1000043//Homo sapiens Chromosome 22q11.2 Cosmid Clone 8c In DGCR Region, complete sequence.//1.3e-67:321:88//AC000090
- 35 R-MAMMA1000045//Homo sapiens chromosome 4 clone B220G8 map 4q21, complete sequence.//6.7e-86:559:86//AC004054
- R-MAMMA1000055//Branta canadensis CA dinucleotide repeat locus Bcamicro1.//0.79:63:77//AF025889
- R-MAMMA1000057//Homo sapiens DNA sequence from cosmid ICK0721Q on chromosome 6. Contains a 60S Ribosomal Protein L35A LIKE pseudogene, a gene coding for a 60S Ribosomal Protein L12 LIKE protein in an intron of the HSET gene coding for a Kinesin related protein, the PHF1 (PHF2) gene coding for alternative splice products PHD finger proteins 1 and 2, the gene coding for five different alternatively spliced mRNAs coding for a protein similar to CYTA (CYCY) and identical to a polypeptide coded for by a known patented cDNA, and the first two exons of the gene coding for the human homolog of the rat synaptic ras GTPase-activating protein p135 SynGAP. Contains three predicted CpG islands, ESTs and an STS, complete sequence.//1.6e-53:397:83//AL021366
- 45 R-MAMMA1000069//Homo sapiens clone RG052H06, WORKING DRAFT SEQUENCE, 11 unordered pieces.//2.0e-37:295:83//AC005057
- R-MAMMA1000084//Homo sapiens chromosome Xp22-135-136 clone GSHB-567I1, WORKING DRAFT SEQUENCE, 35 unordered pieces.//7.1e-45:296:88//AC005867
- 50 R-MAMMA1000085
- R-MAMMA1000092//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 774G10, WORKING DRAFT SEQUENCE.//8.2e-34:539:69//AL034410
- R-MAMMA1000103//Homo sapiens chromosome 17, clone hCIT.91_J_4, complete sequence.//3.4e-39:297:85//AC003976
- 55 R-MAMMA1000117//Homo sapiens p47-phox (NCF1) pseudogene, clone P38, exon 5.//2.6e-07:162:67//U69641
- R-MAMMA1000129//Homo sapiens clone DJ076B20, WORKING DRAFT SEQUENCE, 6 unordered pieces.//6.1e-13:141:80//AC004882
- R-MAMMA1000133

- R-MAMMA1000134//Homo sapiens chromosome 19, cosmid R26660, complete sequence//9.7e-18:171:80//AC005328
- R-MAMMA1000139//Homo sapiens clone DJ241P17, WORKING DRAFT SEQUENCE, 7 unordered pieces//1.2e-49:366:75//AC005000
- 5 R-MAMMA1000143//Homo sapiens *** SEQUENCING IN PROGRESS *** from PAC D9.2, WORKING DRAFT SEQUENCE//3.9e-56:318:89//AJ009615
- R-MAMMA1000155//Human DNA sequence from clone 323M22 on chromosome 22q13.1-13.2. Contains the 5' part of the human ortholog of chicken P52 and mouse H74, and a novel gene coding for a protein similar to KIAA0173 and worm Tubulin Tyrosine Ligase. Contains ESTs, STSs, GSSs, genomic marker D22S418 and puta-
- 10 tive CpG islands, complete sequence//2.1e-68:562:78//AL022476
- R-MAMMA1000163//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces//5.3e-06:408:58//AC005089
- R-MAMMA1000171//CIT-HSP-2335L20.TR CIT-HSP Homo sapiens genomic clone 2335L20, genomic survey sequence//1.5e-42:173:89//AQ037381
- 15 R-MAMMA1000173
- R-MAMMA1000175//H.sapiens CpG island DNA genomic MseI fragment, clone 186c5, reverse read cpg186c5.rt1b//0.072:90:72//Z57594
- R-MAMMA1000183//Homo sapiens Xp22 BAC GSHB-184P14 (Genome Systems Human BAC library) complete sequence//1.5e-44:445:75//AC004552
- 20 R-MAMMA1000198//Homo sapiens clone c102D0968, complete sequence//1.9e-23:135:85//AF038667
- R-MAMMA1000221//HS_3242_B2_H02_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3242 Col=4 Row=P, genomic survey sequence//0.031:167:67//AQ220385
- R-MAMMA1000227//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1071N3, WORKING DRAFT SEQUENCE//4.5e-36:487:71//AL031728
- 25 R-MAMMA1000241//Homo sapiens DNA sequence from PAC 93L7 on chromosome Xq21. Contains part of the CHM (TCD, REP1) gene coding for RAB Escort protein 1 (REP-1, RAB proteins geranylgeranyltransferase component A 1, Choroideraemia protein, Tapetochooidal Dystrophy (TCD) protein). Contains ESTs and an STS, complete sequence//6.2e-07:445:59//AL022401
- R-MAMMA1000251//Homo sapiens chromosome 19, cosmid F23465, complete sequence//1.6e-25:390:69//AC005266
- 30 R-MAMMA1000254//Homo sapiens DNA sequence from BAC 1216H12 on chromosome 22q12. Contains a pseudogene with similarity to part of mouse Ninein and the KIAA0609 gene for a protein similar to C. elegans K09C8.4. Contains ESTs, GSSs and a ggtt repeat polymorphism, complete sequence//1.1e-37:327:80//AL008715
- R-MAMMA1000257//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1125A11, WORK-
- 35 ING DRAFT SEQUENCE//1.3e-22:281:74//AL034549
- R-MAMMA1000264//*** SEQUENCING IN PROGRESS *** EPM1/APECED region of chromosome 21, clones A68E8, B127P21, B173L3, B23N8, C1242C9, C579E2, A70B6, B159G9, B175D10, B52C10, C124G1 Note: Sequencing in this region has been discontinued by the Stanford Human Genome Center, WORKING DRAFT SE-
- 40 QUENCE, 50 unordered pieces//1.7e-29:337:67//AC003656
- R-MAMMA1000266//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 681N20, WORKING DRAFT SEQUENCE//7.7e-37:339:80//AL031670
- R-MAMMA1000270//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence//1.2e-40:283:86//AF001549
- R-MAMMA1000277//CIT-HSP-516K6.TP CIT-HSP Homo sapiens genomic clone 516K6, genomic survey sequence//3.0e-29:265:80//B49900
- 45 R-MAMMA1000278//Sequence 25 from patent US 5708157//2.6e-39:282:82//I80056
- R-MAMMA1000279//Homo sapiens chromosome 16, cosmid clone 390H2 (LANL), complete sequence//1.6e-52:295:84//AC004494
- R-MAMMA1000284//CITBI-E1-2522B20.TF CITBI-E1 Homo sapiens genomic clone 2522B20, genomic survey sequence//1.8e-11:288:61//AQ280722
- 50 R-MAMMA1000287
- R-MAMMA1000302//Homo sapiens chromosome 17, clone hRPK.112_J_9, complete sequence//4.1e-16:169:77//AC005553
- R-MAMMA1000307//RPCI11-89L1.TV RPCI11 Homo sapiens genomic clone R-89L1, genomic survey sequence//1.3e-86:429:97//AQ284795
- 55 R-MAMMA1000309//Homo sapiens hJAG2.del-E6 (JAG2) mRNA, alternatively spliced isoform of Jagged2, complete cds//0.00020:384:60//AF029779
- R-MAMMA1000312//Ichneutes sp. 16S ribosomal RNA gene, partial sequence//0.0026:310:60//AF003518

EP 1 074 617 A2

R-MAMMA1000313//Human cosmid Xq28_IA649, complete sequence//1.5e-26:317:67//U82694
R-MAMMA1000331//Homo sapiens clone DJ1007F24, WORKING DRAFT SEQUENCE, 5 unordered pieces//
3.1e-39:277:86//AC004947
R-MAMMA1000339//Homo sapiens clone HS19.1 Alu-Ya5 sequence//3.2e-44:180:89//AF015147
5 R-MAMMA1000340//Plasmodium falciparum chromosome 2, section 25 of 73 of the complete sequence//0.97:
293:64//AE001388
R-MAMMA1000348//Homo sapiens BAC129, complete sequence//4.4e-27:365:72//U85195
R-MAMMA1000356//Drosophila melanogaster DNA sequence (P1_DS02252 (D97)), complete sequence//0.73:
332:61//AC002493
10 R-MAMMA1000360//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence//4.6e-80:279:89//
AC005189
R-MAMMA1000361//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 753D4, WORKING
DRAFT SEQUENCE//7.8e-18:346:63//AL031676
R-MAMMA1000372//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y214H10, WORK-
15 ING DRAFT SEQUENCE//5.3e-40:299:83//AL022344
R-MAMMA1000385//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 310013, WORKING
DRAFT SEQUENCE//1.0e-28:225:84//AL031658
R-MAMMA1000388//CIT-HSP-2321D3.TR CIT-HSP Homo sapiens genomic clone 2321D3, genomic survey se-
quence//4.7e-60:298:99//AQ038102
20 R-MAMMA1000395
R-MAMMA1000402//Homo sapiens PAC clone DJ1107K12 from 7p12-p14, complete sequence//1.4e-84:276:88//
AC004692
R-MAMMA1000410//Human Chromosome 16 BAC clone CIT987SK-A-211C6, complete sequence//6.7e-35:360:
76//AC002394
25 R-MAMMA1000413//Homo sapiens chromosome 17, clone hRPC.842_A_23, complete sequence//3.1e-69:327:
79//AC004662
R-MAMMA1000414//Homo sapiens DNA sequence from PAC 164L12 on chromosome Xq13.1-Xq21.2. Contains
GSS (BAC end sequence),STS//3.6e-41:180:87//AL009028
R-MAMMA1000416//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces//
30 3.1e-59:478:77//AC005377
R-MAMMA1000421//Human coxVIb gene, last exon and flanking sequence//5.3e-53:294:82//X58139
R-MAMMA1000422//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 8B22, WORKING
DRAFT SEQUENCE//1.0:252:59//AL031737
R-MAMMA1000423//Homo sapiens clone DA0065G23, complete sequence//2.0e-50:491:76//AC004816
35 R-MAMMA1000424//Human DNA sequence from PAC 507I15 on chromosome Xq26.3-27.3. Contains 60S ribos-
omal protein L44 (L41, L36) like gene, ESTs, STSs and a polymorphic CA repeat//3.5e-40:340:80//Z98950
R-MAMMA1000429//Mus musculus SDP8 mRNA, complete cds//0.0019:87:79//AF062484
R-MAMMA1000431//Homo sapiens clone DJ0098O22, WORKING DRAFT SEQUENCE, 5 unordered pieces//
2.0e-58:564:77//AC004821
40 R-MAMMA1000444//Human BAC clone RG126M09 from 7q21-q22, complete sequence//3.0e-43:328:83//
AC002067
R-MAMMA1000446//Human chromosome X clone Qc15B1, complete sequence//0.95:209:65//U82672
R-MAMMA1000458//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MXK3, complete sequence//
0.99:182:61//AB019236
45 R-MAMMA1000468
R-MAMMA1000472//Homo sapiens genomic DNA, 21q region, clone: 655M9N34, genomic survey sequence//
1.0e-38:142:88//AG010148
R-MAMMA1000478//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 169I5, WORKING
DRAFT SEQUENCE//1.3e-37:286:83//Z93015
50 R-MAMMA1000483//CIT-HSP-384B14.TR CIT-HSP Homo sapiens genomic clone 384B14, genomic survey se-
quence//4.3e-34:158:86//B54637
R-MAMMA1000490//Homo sapiens chromosome 19, BAC CIT-B-191n6, complete sequence//4.2e-98:569:90//
AC006130
R-MAMMA1000500//Human BRCA1, Rho7 and vat1 genes, complete cds, and ipf35 gene, partial cds//1.2e-41:
55 334:79//L78833
R-MAMMA1000501//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 153G14, WORK-
ING DRAFT SEQUENCE//1.4e-38:250:84//AL031118
R-MAMMA1000516//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 424J12, WORKING

DRAFT SEQUENCE.//1.3e-43:318:83//Z82207
 R-MAMMA1000522//Human DNA sequence from clone 739H11 on chromosome 1p33-34.2 Contains KIAA0237 gene, EST, STS, GSS, complete sequence.//4.4e-13:202:73//AL031289
 R-MAMMA1000559//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 169I5, WORKING DRAFT SEQUENCE.//2.2e-30:245:83//Z93015
 R-MAMMA1000565//Homo sapiens chromosome 10 clone LA10NC01_183_B_7 map 10q24, WORKING DRAFT SEQUENCE, 1 ordered pieces.//3.6e-39:281:80//U82205
 R-MAMMA1000567//Rattus norvegicus nonmuscle caldesmon mRNA, complete cds.//9.2e-19:216:76//U18419
 R-MAMMA1000576
 R-MAMMA1000583//Homo sapiens chromosome 17, clone hRPK.112_H_10, complete sequence.//5.4e-53:297:85//AC005666
 R-MAMMA1000585//Homo sapiens clone DJ1015P16, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.2e-35:450:71//AC006018
 R-MAMMA1000594//Homo sapiens *** SEQUENCING IN PROGRESS *** from cosmid 5L5, WORKING DRAFT SEQUENCE.//4.3e-26:293:75//AJ009613
 R-MAMMA1000597//CIT-HSP-2341F4.TF CIT-HSP Homo sapiens genomic clone 2341F4, genomic survey sequence.//0.83:110:70//AQ057131
 R-MAMMA1000605//Homo sapiens clone DJ1090E20, WORKING DRAFT SEQUENCE, 4 unordered pieces.//2.6e-50:290:86//AC004956
 R-MAMMA1000612//CIT-HSP-2334J18.TF CIT-HSP Homo sapiens genomic clone 2334J18, genomic survey sequence.//0.76:132:65//AQ038364
 R-MAMMA1000616//Ibalia leucospoides mitochondrion 16S rRNA gene, partial sequence.//6.8e-06:431:59//U06970
 R-MAMMA1000621//Human NBR2 mRNA, complete cds.//5.3e-27:258:80//U88573
 R-MAMMA1000623
 R-MAMMA1000625//Homo sapiens chromosome 19, cosmid R31665, complete sequence.//3.3e-07:325:63//AC005498
 R-MAMMA1000643//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 39B17, WORKING DRAFT SEQUENCE.//1.4e-06:236:68//AL023656
 R-MAMMA1000664//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0326F06; HTGS phase 1, WORKING DRAFT SEQUENCE, 16 unordered pieces.//1.4e-40:338:81//AC004555
 R-MAMMA1000669//Human DNA sequence from clone 453C12 on chromosome 20q12-13.12 Contains SDC4 (syndecan 4 (amphiglycan, ryudocan)) predicts a gene like the mouse transcription factor RBP-L, MATN4 (matrilin-4) STS, GSS, CpG island, complete sequence.//1.2e-46:327:86//AL021578
 R-MAMMA1000670
 R-MAMMA1000672//Human DNA sequence from clone 478D8 on chromosome 6p24. Contains STSs and GSSs, complete sequence.//2.2e-29:328:76//AL031785
 R-MAMMA1000684//Mus musculus frizzled-1 mRNA, complete cds.//0.21:247:63//AF054623
 R-MAMMA1000696//Human Chromosome X clone bWXD173, WORKING DRAFT SEQUENCE, 2 ordered pieces.//2.7e-46:464:71//AC004387
 R-MAMMA1000707//Homo sapiens clone RG219E16, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.4e-09:244:66//AC005075
 R-MAMMA1000713//Homo sapiens clone DJ0425I02, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.7e-51:439:74//AC005478
 R-MAMMA1000714//Homo sapiens BAC clone RG152H24 from 7p15-p21, complete sequence.//2.8e-29:288:75//AC004694
 R-MAMMA1000718//Human Xp22 BAC CT-285I15 (from CalTech/Research Genetics), PAC RPC11-27C22 (from Roswell Park Cancer Center), and Cosmid U35B5 (from Lawrence Livermore), complete sequence.//3.0e-37:231:91//AC002366
 R-MAMMA1000720//Homo sapiens chromosome 19, cosmid R33632, complete sequence.//1.4e-35:299:81//AC005781
 R-MAMMA1000723//Human DNA sequence from clone 551E13 on chromosome Xp11.2-11.3 Contains farnesyl pyrophosphate synthetase pseudogene, VT4 protein pseudogene, EST, GSS, complete sequence.//3.9e-59:409:79//AL022163
 R-MAMMA1000731//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//9.4e-29:560:66//AC005077
 R-MAMMA1000732//Homo sapiens clone DJ0539M06, WORKING DRAFT SEQUENCE, 10 unordered pieces.//2.4e-14:309:68//AC004832

- R-MAMMA1000733//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 732E4, WORKING DRAFT SEQUENCE.//4.1e-29:377:71//AL008722
- R-MAMMA1000734//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 191J18, WORKING DRAFT SEQUENCE.//2.0e-108:420:99//AL024507
- 5 R-MAMMA1000738//Human V beta T-cell receptor (TCRBV) gene locus.//6.6e-41:347:82//U03115
- R-MAMMA1000744//T27O8-T7 TAMU Arabidopsis thaliana genomic clone T27O8, genomic survey sequence.//0.095:367:60//B20150
- R-MAMMA1000746//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0135005; HTGS phase 1, WORKING DRAFT SEQUENCE, 23 unordered pieces.//7.4e-95:569:87//AC004661
- 10 R-MAMMA1000752//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//1.3e-48:295:84//AC003071
- R-MAMMA1000760//Human DNA sequence from clone B79B4 on chromosome 22 Contains CA repeat and GSS, complete sequence.//5.7e-45:347:82//Z82178
- R-MAMMA1000761//Homo sapiens cosmid clone LUCA16 from 3p21.3, complete sequence.//1.1e-32:292:80//U73169
- 15 R-MAMMA1000775//Homo sapiens chromosome 17, clone hRPK.22_N_12, WORKING DRAFT SEQUENCE, 2 ordered pieces.//2.5e-50:467:79//AC005412
- R-MAMMA1000776//Human BAC clone GS552A01 from 7q21-q22, complete sequence.//1.0e-63:429:79//AC002454
- 20 R-MAMMA1000778//Human DNA sequence from 4PTCL, Huntington's Disease Region, chromosome 4p16.3.//3.5e-25:234:81//Z95704
- R-MAMMA1000782//Human DNA sequence from clone 459L4 on chromosome 6p22.3-24.1 Contains EST, STS, GSS, complete sequence.//0.0021:119:74//AL031120
- R-MAMMA1000798//Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 2/3.//6.3e-08:269:64//AJ229042
- 25 R-MAMMA1000802//Homo sapiens chromosome 19, cosmid R33729, complete sequence.//1.1e-36:261:80//AC005339
- R-MAMMA1000831//CIT-HSP-2387J3.TF.1 CIT-HSP Homo sapiens genomic clone 2387J3, genomic survey sequence.//0.68:156:65//AQ240807
- 30 R-MAMMA1000839//Homo sapiens chromosome 17, clone hRPK.726_O_12, WORKING DRAFT SEQUENCE, 6 unordered pieces.//4.6e-50:335:86//AC005517
- R-MAMMA1000841//Human Chromosome 16 BAC clone CIT987SK-A-972D3, complete sequence.//1.3e-40:322:77//U91323
- R-MAMMA1000842//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 341D10, WORKING DRAFT SEQUENCE.//4.1e-44:471:74//Z97985
- 35 R-MAMMA1000843//Homo sapiens clone 82F9, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.85:394:60//AC004815
- R-MAMMA1000845//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P1, WORKING DRAFT SEQUENCE.//0.54:303:63//AL031744
- 40 R-MAMMA1000851//Homo sapiens chromosome X, MeCP2 locus, complete sequence.//1.7e-10:115:83//AF030876
- R-MAMMA1000855//Homo sapiens PAC clone 278C19 from 12q, complete sequence.//5.0e-44:352:83//AC004263
- R-MAMMA1000856//Homo sapiens chromosome 19, cosmid F24200, complete sequence.//1.8e-10:149:74//AC00461
- 45 R-MAMMA1000862//Hepatitis C virus genomic RNA, 3' nontranslated region, partial sequence. clone #16.//8.1e-05:205:66//AF009075
- R-MAMMA1000863//Homo sapiens Xp22 Cosmids U15E4, U115H5, U132E12, U115B9 (Lawrence Livermore human cosmid library) complete sequence.//2.9e-49:421:80//AC002364
- 50 R-MAMMA1000865//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-328A3, complete sequence.//9.1e-41:302:83//AC002301
- R-MAMMA1000867//Human BRCA1, Rho7 and vat1 genes, complete cds, and ipf35 gene, partial cds.//1.9e-17:500:61//L78833
- R-MAMMA1000875//Homo sapiens chromosome 16, cosmid clone RT99 (LANL), complete sequenced.//1.2e-17:211:74//AC004653
- 55 R-MAMMA1000876//Homo sapiens Xp22 BAC GS-607H18 (Genome Systems Human BAC library) complete sequence.//4.7e-09:160:65//AC003658
- R-MAMMA1000877//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains

EP 1 074 617 A2

ESTs STS and CpG island //3.2e-34:354:75//Z93023
R-MAMMA1000880//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-575C2, complete sequence //1.4e-41:411:74//AC002425
R-MAMMA1000883
R-MAMMA1000897
R-MAMMA1000905//Homo sapiens chromosome 5, P1 clone 274A11 (LBNL H66), complete sequence //1.3e-73:304:91//AC004506
R-MAMMA1000906//Human DNA from chromosome 19-specific cosmid F14150, genomic sequence, complete sequence //8.4e-23:194:83//AC003110
R-MAMMA1000908//Human Chromosome 15q26.1 PAC clone pDJ416i6, complete sequence //1.5e-09:170:71//AC003024
R-MAMMA1000914//Homo sapiens PAC clone DJ0740L10 from 7p13-p14, complete sequence //8.3e-13:323:67//AC005247
R-MAMMA1000921//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 423B22, WORKING DRAFT SEQUENCE //6.8e-28:333:72//AL034379
R-MAMMA1000931//HS_3227_B1_B03_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3227 Col=5 Row=D, genomic survey sequence //1.4e-55:443:79//AQ191777
R-MAMMA1000940//Homo sapiens clone RG013F03, WORKING DRAFT SEQUENCE, 6 unordered pieces //2.0e-43:340:84//AC005046
R-MAMMA1000941//Homo sapiens chromosome 17, clone 297N7, complete sequence //1.8e-53:330:84//AC002347
R-MAMMA1000942//Human Chromosome X clone bWXD187, complete sequence //1.2e-39:391:74//AC004383
R-MAMMA1000943//Human PAC clone DJ327A19 from Xq25-q26, complete sequence //4.6e-75:566:81//AC002477
R-MAMMA1000956//Plasmodium falciparum MAL3P7, complete sequence //0.013:285:59//AL034559
R-MAMMA1000957//Homo sapiens clone RG339C12, WORKING DRAFT SEQUENCE, 10 unordered pieces //5.2e-45:288:90//AC005096
R-MAMMA1000962//Homo sapiens clone DJ0756H11, WORKING DRAFT SEQUENCE, 5 unordered pieces //2.9e-108:561:96//AC006001
R-MAMMA1000968//Homo sapiens PAC clone 278C19 from 12q, complete sequence //3.9e-41:287:87//AC004263
R-MAMMA1000975//Homo sapiens DNA sequence from PAC 179N16 on chromosome 6p21.1-21.33. Contains the SAPK4 (MAPK p38delta) gene, and the alternatively spliced SAPK2 gene coding for CSaids binding protein CSBP2 and a MAPK p38beta LIKE protein. Contains ESTs, STSs, and two predicted CpG islands, complete sequence //9.4e-65:542:79//Z95152
R-MAMMA1000979//Homo sapiens chromosome 21q22.3, PAC clones 314N7, 225L15, BAC clone 7B7, complete sequence bases 1..333303 //3.2e-34:296:80//AJ011930
R-MAMMA1000987//Homo sapiens CC chemokine gene cluster, complete sequence //1.7e-40:255:87//AF088219
R-MAMMA1000998//Homo sapiens PAC clone DJ1152D16 from Xq23, complete sequence //2.5e-39:315:73//AC005190
R-MAMMA1001003//Homo sapiens chromosome 10 clone CIT-HSP-1338F24 map 10p11.2-10p12.1, complete sequence //2.4e-52:296:84//AC006101
R-MAMMA1001008//Homo sapiens *** SEQUENCING IN PROGRESS *** , WORKING DRAFT SEQUENCE //7.9e-88:432:98//AJ011929
R-MAMMA10010021//Homo sapiens PAC clone DJ0859M06 from 7q11, complete sequence //3.8e-39:286:87//AC004910
R-MAMMA1001024//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces //2.0e-31:274:80//AC004913
R-MAMMA1001030//Homo sapiens full-length insert cDNA clone ZD96C01 //3.2e-99:469:99//AF088074
R-MAMMA1001035//RPC1-1-46G8Sp6 RPC1-1 Homo sapiens genomic clone RPC1-1-46G8Sp6, genomic survey sequence //3.5e-49:270:90//AQ275285
R-MAMMA1001038//Homo sapiens chromosome 3, olfactory receptor pseudogene cluster 1, complete sequence, and myosin light chain kinase (MLCK) pseudogene, partial sequence //1.1e-41:285:87//AF042089
R-nnnnnnnnnnnn
R-MAMMA1001050//Homo sapiens genomic DNA, 237 kb segment from 6p21.3 region including HLA genes, WORKING DRAFT SEQUENCE //1.3e-55:334:91//D84394
R-MAMMA1001059//Mouse RNA helicase and RNA-dependent ATPase from the DEAD box family mRNA, complete cds //1.7e-51:481:77//L25125

- R-MAMMA1001067//CIT-HSP-2371K20.TF CIT-HSP Homo sapiens genomic clone 2371K20, genomic survey sequence.//7.2e-65:946:95//AQ111326
 R-MAMMA1001073
 5 R-MAMMA1001074//Homo sapiens BAC clone NH0400O10 from Y, complete sequence.//8.6e-33:457:69//AC006040
 R-MAMMA1001075//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//0.15:325:62//AC004605
 R-MAMMA1001078//Homo sapiens chromosome 5, BAC clone 203o13 (LBNL H155), complete sequence.//1.6e-45:344:84//AC005609
 10 R-MAMMA1001082//Human genomic DNA sequence from clone 308O1 on chromosome Xp11.3-11.4. Contains EST, CA repeat, STS, GSS, CpG island.//8.5e-15:413:64//Z93403
 R-MAMMA1001091//Sequence 7 from patent US 5468610.//0.0027:159:64//I15499
 R-MAMMA1001092//Homo sapiens chromosome 17, clone hRPK.372_K_20, complete sequence.//2.0e-51:267:82//AC005951
 15 R-MAMMA1001105//Homo sapiens DNA sequence from PAC 119E23 on chromosome Xq25-q27.1. Contains glypican-3 precursor (intestinal protein OCI-5) (GTR2-2),5'UTR. ESTs, STS.//6.9e-22:178:85//Z99570
 R-MAMMA1001110//Homo sapiens chromosome 17, clone HRPK1169K15, complete sequence.//3.0e-19:141:81//AC003963
 R-MAMMA1001126//Human DNA from overlapping chromosome 7 PAC and P1 clones containing the XRCC2 gene, genomic sequence, complete sequence.//2.2e-46:462:75//AC003109
 20 R-MAMMA1001133//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 120G22, WORKING DRAFT SEQUENCE.//1.8e-68:455:86//AL031847
 R-MAMMA1001139//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y738F9, WORKING DRAFT SEQUENCE.//7.1e-09:100:84//AL022345
 25 R-MAMMA1001143//Papio hamadryas lipoprotein lipase (LPL) gene, intron 7.//1.9e-49:362:85//U73684
 R-MAMMA1001145//Homo sapiens chromosome 17, clone hRPK.235_I_10, complete sequence.//9.5e-49:512:74//AC005922
 R-MAMMA1001154//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-88D1 ~complete genomic sequence, complete sequence.//1.5e-29:305:76//AC002289
 30 R-MAMMA1001161//Human DNA sequence from clone 681J21 on chromosome 1q23.2-24.3 Contains CpG island, complete sequence.//1.1e-64:339:90//AL031286
 R-MAMMA1001162//Human DNA from cosmid DNA MMD8 (f10080) and MMD8 (f13544) from chromosome 19q13.3 (obtained by automated sequence analysis).//3.4e-09:243:64//M89651
 R-MAMMA1001181//Human Chromosome X clone bWXD173, WORKING DRAFT SEQUENCE, 2 ordered pieces.//3.7e-29:351:74//AC004387
 35 R-MAMMA1001186//Homo sapiens chromosome 19, cosmid R28778, complete sequence.//2.2e-25:415:68//AC006125
 R-MAMMA1001191//Homo sapiens T-cell receptor alpha delta locus from bases 1000498 to 1071650 (section 5 of 5) of the Complete Nucleotide Sequence.//0.99:243:61//AE000662
 40 R-MAMMA1001198//Mus musculus eps15R mRNA, complete cds.//8.0e-57:223:86//U29156
 R-MAMMA1001202//Mus musculus clone OST13722, genomic survey sequence.//1.0e-30:220:85//AF046748
 R-MAMMA1001203//Homo sapiens chromosome 17, clone hRPK.22_N_12, WORKING DRAFT SEQUENCE, 2 ordered pieces.//8.9e-61:567:78//AC005412
 R-MAMMA1001206//Homo sapiens chromosome 5, P1 clone 854b11 (LBNL H44), complete sequence.//4.6e-08:442:61//AC004763
 45 R-MAMMA1001215//Homo sapiens chromosome 19, CIT-HSP BAC 470n8, complete sequence.//1.3e-117:564:97//AC005393
 R-MAMMA1001220//HS-1023-A1-G10-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 802 Col=19 Row=M, genomic survey sequence.//6.0e-16:276:68//B33708
 50 R-MAMMA1001222//F17E12TFB IGF Arabidopsis thaliana genomic clone F17E12, genomic survey sequence.//0.041:277:61//B97762
 R-MAMMA1001243
 R-MAMMA1001244//HS-1058-A2-G01-MF.abi CIT Human Genomic Sperm Library C Homo-sapiens genomic clone Plate=CT 780 Col=2 Row=M, genomic survey sequence.//3.5e-05:104:74//B43862
 55 R-MAMMA1001249//H.sapiens DNA for matrix attachment region.//0.0013:95:75//Z54221
 R-MAMMA1001256//Human BAC clone GS188P18, complete sequence.//3.4e-32:356:74//AC000115
 R-MAMMA1001259
 R-MAMMA1001260//Homo sapiens mRNA for KIAA0661 protein, complete cds.//6.3e-20:226:75//AB014561

- R-MAMMA1001268//Human DNA sequence from PAC 225D2 on chromosome Xq21. Contains ESTs, CA repeat.//1.1e-47:352:85//Z95124
- R-MAMMA1001271
- 5 R-MAMMA1001274//H.sapiens DNA for trapped exon (ID HMC07C06), genomic survey sequence.//3.1e-40:232:93//X88457
- R-MAMMA1001280//Homo sapiens full-length insert cDNA clone YW26C09.//1.9e-112:574:95//AF087976
- R-MAMMA1001292//Human DNA sequence from clone 1170K4 on chromosome 22q12.2-13.1. Contains three novel genes, one of which codes for a Trypsin family protein with class A LDL receptor domains, and the IL2RB gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and
- 10 GSSs, complete sequence.//2.9e-114:582:96//AL022314
- R-MAMMA1001296//Human DNA sequence from PAC 487J7 on chromosome 6q21-22.1. Contains an unknown gene coding for three alternative mRNAs. Contains ESTs, STSs, a BAC end-sequence (GSS) and a CA repeat polymorphism.//1.9e-64:268:88//AL008730
- R-MAMMA1001298//Homo sapiens chromosome 17, clone hRPK.849_N_15, complete sequence.//1.5e-38:306:83//AC005703
- 15 R-MAMMA1001305//Human DNA sequence from PAC 127B20 on chromosome 22q11.2-qter, contains gene for GTPase-activating protein similar to rhoGAP protein. ribosomal protein L6 pseudogene, ESTs and CA repeat.//1.5e-37:306:82//Z83838
- R-MAMMA1001322//Homo sapiens DNA sequence from PAC 434O14 on chromosome 1q32.3-.41. Contains the HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs, complete sequence.//2.4e-15:260:71//AL022398
- 20 R-MAMMA1001324//Homo sapiens chromosome 19, cosmid F23269, complete sequence.//4.0e-06:90:83//AC005614
- R-MAMMA1001330//Human BAC clone RG066D11 from 7q22, complete sequence.//1.4e-45:439:74//AC002430
- R-MAMMA1001341//Human DNA sequence from PAC 211D12 on chromosome 20q12-13.2. Contains Krs-2, K+ channel protein, stress responsive.//1.3e-24:137:81//Z93016
- R-MAMMA1001343//Human Chromosome 16 BAC clone CIT987SK-A-17E1, complete sequence.//5.4e-51:197:89//AC002041
- 30 R-MAMMA1001346//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-233A8, complete sequence.//0.99:182:64//AC004685
- R-MAMMA1001383//Homo sapiens clone 82F9, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.9e-42:303:86//AC004815
- R-MAMMA1001388//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 508I15, WORKING DRAFT SEQUENCE.//1.5e-44:324:83//AL021707
- 35 R-MAMMA1001397//Homo sapiens genomic DNA, chromosome 21q11.1, segment 15/28, WORKING DRAFT SEQUENCE.//2.0e-39:254:89//AP000044
- R-MAMMA1001408//Homo sapiens chromosome 12q24.1, WORKING DRAFT SEQUENCE, 33 unordered pieces.//9.4e-36:251:88//AC005805
- 40 R-MAMMA1001411//T15F1-T7.1 TAMU Arabidopsis thaliana genomic clone T15F1, genomic survey sequence.//1.0:98:71//AQ248928
- R-MAMMA1001419//Homo sapiens translation initiation factor 4e mRNA, complete cds.//4.8e-18:117:96//AF038957
- R-MAMMA1001420//Homo sapiens chromosome 5, P1 clone 1041F10 (LBNL H88), complete sequence.//2.8e-09:377:63//AC005179
- 45 R-MAMMA1001435//S.pombe chromosome I cosmid c26H5.//1.0:356:59//Z99126
- R-MAMMA1001442//Homo sapiens chromosome 4 clone B150J4 map 4q25, complete sequence.//3.4e-17:259:72//AC004047
- R-MAMMA1001446//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence.//2.9e-17:231:71//AC004491
- 50 R-MAMMA1001452//Human DNA sequence from clone 452M16 on chromosome Xq21.1-21.33 Contains capping protein alpha subunit isoform 1 pseudogene, STS, GSS, and CA repeat, complete sequence.//6.1e-50:558:73//AL024493
- R-MAMMA1001465//cSRL-2F3-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-2F3, genomic survey sequence.//3.0e-23:141:96//B04295
- 55 R-MAMMA1001476//Mus musculus uridine kinase mRNA, partial cds.//3.4e-09:309:64//L31783
- R-MAMMA1001487//Homo sapiens chromosome 17, clone hRPC.1108_L_11, complete sequence.//5.1e-30:286:79//AC005206

- R-MAMMA1001501
 R-MAMMA1001502//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 356B7, WORKING DRAFT SEQUENCE.//4.3e-19:349:64//AL031714
 R-MAMMA1001510
 5 R-MAMMA1001522//Homo sapiens chromosome 5, BAC clone 24h24 (LBNL H194), complete sequence.//1.5e-09:136:75//AC005352
 R-MAMMA1001547//Human Chromosome X, complete sequence.//3.5e-40:300:84//AC002418
 R-MAMMA1001551//Human DNA sequence from PAC 426I6 on chromosome 1p34.1-1p35. Contains NIPP-1-like gene a nuclear inhibitor of protein phosphatase-1, ESTs, and a CA repeat.//1.1e-57:282:89//AL020997
 10 R-MAMMA1001575
 R-MAMMA1001576//Human gamma-tubulin mRNA, complete cds.//7.6e-60:530:78//M61764
 R-MAMMA1001590//Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds.//1.3e-29:161:86//U78027
 R-MAMMA1001600//Homo sapiens 12q24 PAC RPC11-66E7 (Roswell Park Cancer Institute Human PAC library) complete sequence.//2.1e-18:390:66//AC004216
 15 R-MAMMA1001604//Human DNA sequence from clone 1042K10 on chromosome 22q13.1-13.2. Contains the ADSL gene for Adenylosuccinate lyase (EC 4.3.2.2, Adenylosuccinase, ASL) and 4 novel genes (one with probable rabGAP domains and Src homology domain 3). Contains ESTs, STSs, GSSs and a putative CpG island, complete sequence.//1.0:227:62//AL022238
 20 R-MAMMA1001606//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 226H13, WORKING DRAFT SEQUENCE.//1.3e-17:219:69//AL031985
 R-MAMMA1001620//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1018D12, WORKING DRAFT SEQUENCE.//2.1e-51:298:84//AL031650
 R-MAMMA1001627//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 229A8, WORKING DRAFT SEQUENCE.//7.8e-45:328:85//Z86090
 25 R-MAMMA1001630//, complete sequence.//2.5e-08:170:72//AC005399
 R-MAMMA1001633//Homo sapiens chromosome 10 clone CIT987SK-1057L21 map 10q25, complete sequence.//2.2e-21:241:70//AC005386
 R-MAMMA1001635//Homo sapiens DNA sequence from PAC 230G1 on chromosome Xp11.3. Contains EST, STS and GSS, complete sequence.//1.1e-32:346:74//Z84466
 30 R-MAMMA1001649
 R-MAMMA1001663//Homo sapiens clone 162B15, complete sequence.//9.4e-68:267:89//AC004811
 R-MAMMA1001670//Human DNA sequence from PAC 75N13 on chromosome Xq21.1. Contains ZNF6 like gene, ESTs, STSs and CpG islands.//1.7e-49:322:88//Z82216
 35 R-MAMMA1001671//Homo sapiens chromosome 19, cosmid F23269, complete sequence.//2.4e-114:575:96//AC005614
 R-MAMMA1001679//CIT-HSP-2335N4.TF CIT-HSP Homo sapiens genomic clone 2335N4, genomic survey sequence.//2.4e-82:400:99//AQ037393
 R-MAMMA1001683//Homo sapiens Chromosome 7 BAC Clone 239c10, WORKING DRAFT SEQUENCE, 9 un-ordered pieces.//5.7e-47:533:72//AC004166
 40 R-MAMMA1001686//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence.//6.6e-12:194:72//AC005261
 R-MAMMA1001692//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y738F9, WORKING DRAFT SEQUENCE.//9.6e-44:414:77//AL022345
 45 R-MAMMA1001711//Homo sapiens clone BAC 9H13 chromosome 8 map 8q21, complete sequence.//3.1e-31:436:70//AF110324
 R-MAMMA1001715//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 73E16, WORKING DRAFT SEQUENCE.//8.8e-76:524:84//Z95330
 R-MAMMA1001730
 50 R-MAMMA1001735//Cricetulus griseus (chinese hamster) mRNA for beta tubulin (clone B9T), partial.//2.7e-13:382:63//X60786
 R-MAMMA1001740//Homo sapiens genomic DNA, chromosome 21q11.1, segment 21/28, WORKING DRAFT SEQUENCE.//3.9e-47:318:87//AP000050
 R-MAMMA1001743//Homo sapiens clone DJ0981O07, complete sequence.//4.0e-108:566:95//AC006017
 55 R-MAMMA1001744
 R-MAMMA1001745//Homo sapiens BAC clone 529F11 from 8q21, complete sequence.//3.5e-113:564:97//AF070718
 R-MAMMA1001751//Homo sapiens chromosome 19, cosmid R27328, complete sequence.//3.6e-30:312:75//

- AC005625
R-MAMMA1001754//Bos taurus vacuolar proton pump subunit SFD alpha isoform (SFD) mRNA, complete cds.//4.7e-34:320:77//AF041338
- 5 R-MAMMA1001757//Homo sapiens chromosome 17, clone hRPC.4_G_17, complete sequence.//4.7e-10:244:67//AC003688
- R-MAMMA1001760//RPC111-38L16.TV RPCI-11 Homo sapiens genomic clone RPCI-11-38L16, genomic survey sequence.//1.3e-10:236:64//AQ029432
- R-MAMMA1001764//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence; WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.74:361:60//AC005140
- 10 R-MAMMA1001768//Homo sapiens chromosome 17, clone hRPK.147_L_13, complete sequence.//1.6e-42:416:76//AC005332
- R-MAMMA1001769//Homo sapiens chromosome 17, clone hRPC.1073_F_15, complete sequence.//1.4e-13:129:83//AC004686
- R-MAMMA1001771//M.musculus mRNA for semaphorin B.//1.1e-34:530:69//X85991
- 15 R-MAMMA1001783//Homo sapiens Chromosome 2 BAC Clone 376a1, WORKING DRAFT SEQUENCE, 17 unordered pieces.//1.1e-42:282:85//AC000360
- R-MAMMA1001785//Human chromosome 16p13.11 BAC clone CIT987SK-98H8 complete sequence.//3.0e-49:282:86//U91319
- R-MAMMA1001788
- 20 R-MAMMA1001790//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces.//9.8e-43:530:71//AC004913
- R-MAMMA1001806//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-319E8, complete sequence.//1.8e-43:324:79//AC004020
- R-MAMMA1001812//Plasmodium falciparum chromosome 2, section 69 of 73 of the complete sequence.//0.65:183:63//AE001432
- 25 R-MAMMA1001815//Homo sapiens clone GS223D04, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.1e-10:417:62//AC005018
- R-MAMMA1001817//Homo sapiens Xp22-83 BAC GSHB-324M7 (Genome Systems Human BAC Library) complete sequence.//2.6e-40:313:84//AC005859
- 30 R-MAMMA1001818
- R-MAMMA1001820//Homo sapiens, WORKING DRAFT SEQUENCE, 52 unordered pieces.//2.2e-45:340:82//AC004086
- R-MAMMA1001824//Homo sapiens clone DJ1107K15, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.9e-53:291:85//AC004966
- 35 R-MAMMA1001836//HS_3164_B1_A02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3164 Col=3 Row=B, genomic survey sequence.//6.5e-08:79:89//AQ185484
- R-MAMMA1001837//Homo sapiens chromosome 19, overlapping cosmid F18547, F11133, R27945, R28830 and R32804, complete sequence.//8.4e-55:309:85//AC003682
- R-MAMMA1001848//Homo sapiens PAC clone DJ0296G17 from Xq23, complete sequence.//1.6e-16:125:90//AC006144
- 40 R-MAMMA1001851//Genomic sequence from Human 9q34, WORKING DRAFT SEQUENCE, 2 unordered pieces.//2.4e-50:516:74//AC002099
- R-MAMMA1001854//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-575C2, complete sequence.//1.7e-38:308:82//AC002425
- 45 R-MAMMA1001858//Human Xq13 3' end of PAC 92E23 containing the X inactivation transcript (XIST) gene, complete sequence.//6.5e-50:283:86//U80460
- R-MAMMA1001864//Human Chromosome 15q26.1 PAC clone pDJ398g19, WORKING DRAFT SEQUENCE, 21 unordered pieces.//3.4e-36:224:86//AC005143
- R-nnnnnnnnnnnnn//Plasmodium falciparum chromosome 2, section 54 of 73 of the complete sequence.//1.4e-11:495:63//AE001417
- 50 R-MAMMA1001874//Human chromosome 1 BAC 308G1 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.2e-42:446:76//AC003117
- R-MAMMA1001878//Human DNA sequence from PAC 431A14 on chromosome 6p21. Contains CYCLOPHILIN (PEPTIDYLPROLYL ISOMERASE) like and CIP1 (WAF1, CDKNA1, CDKN1, MDA-6, SDI1, PIC1, CAP20) genes.
- 55 Contains probable GTPase and receptor genes and ESTs, STSs and CpG islands.//6.9e-44:391:78//Z85996
- R-MAMMA1001880//Human DNA sequence from fosmid F77D12 on chromosome 22q12-qter contains ESTs, tRNA.//1.3e-15:181:76//Z82097
- R-MAMMA1001890//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-670B5 ~complete genomic se-

quence, complete sequence.//1.7e-43:283:86//AC002303
 R-MAMMA1001907//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 385E7, WORKING
 DRAFT SEQUENCE.//1.4e-48:420:79//AL031720
 R-nnnnnnnnnnn//Saccharomyces cerevisiae chromosome IV cosmid 9481 //2.9e-14:505:60//U28373
 5 R-MAMMA1001931//Homo sapiens NACP/alpha-synuclein gene, allele A0, intron 4, partial sequence.//0.51:162:
 63//AF041008
 R-MAMMA1001956//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 50O24, WORKING
 DRAFT SEQUENCE.//1.4e-51:422:79//AL034380
 R-MAMMA1001963//Homo sapiens clone HS19.3 Alu-Ya5 sequence.//1.9e-31:163:91//AF015149
 10 R-MAMMA1001969//Human DNA from chromosome 19 cosmid F19410, genomic sequence, complete se-
 quence.//8.7e-10:186:76//AC002128
 R-MAMMA1001970//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//1.0e-62:298:
 86//AC003071
 R-MAMMA1001992//Human Chromosome 15q26.1 PAC clone pDJ460g16, WORKING DRAFT SEQUENCE, 3
 15 unordered pieces.//1.8e-44:525:72//AC004581
 R-MAMMA1002009//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 109G6, WORKING
 DRAFT SEQUENCE.//1.4e-43:282:79//AL023879
 R-MAMMA1002011
 R-MAMMA1002032//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 469D22, WORKING
 20 DRAFT SEQUENCE.//1.1e-39:310:84//AL031284
 R-MAMMA1002033//Homo sapiens chromosome 5, Pac clone 162o17 (LBNL H147), complete sequence.//2.5e-
 17:170:81//AC003954
 R-MAMMA1002041//Homo sapiens PAC clone DJ0728D04, complete sequence.//8.7e-79:296:85//AC004865
 R-MAMMA1002042//Human chromosome 16 BAC clone CIT987SK-A-962B4, complete sequence.//8.8e-46:386:
 25 80//U91318
 R-MAMMA1002047//Human chromosome 16 BAC clone CIT987SK-A-962B4, complete sequence.//1.9e-32:326:
 75//U91318
 R-MAMMA1002056//Homo sapiens chromosome 17, clone hRPK.506_H_21, complete sequence.//6.6e-48:367:
 82//AC005962
 30 R-MAMMA1002058//Homo sapiens clone RG038K21, WORKING DRAFT SEQUENCE, 3 unordered pieces.//
 0.25:139:69//AC005052
 R-MAMMA1002068//Homo Sapiens Chromosome X clone bWXD171, WORKING DRAFT SEQUENCE, 1 ordered
 pieces.//2.2e-45:406:78//AC004676
 R-MAMMA1002078//Homo sapiens chromosome 17, clone hRPK.401_O_9, complete sequence.//2.3e-22:357:
 35 64//AC005291
 R-MAMMA1002082//Homo sapiens PAC clone 278C19 from 12q, complete sequence.//2.5e-38:304:82//
 AC004263
 R-MAMMA1002084//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1174N9, WORKING
 DRAFT SEQUENCE.//8.9e-41:319:83//AL031602
 40 R-MAMMA1002093//CIT-HSP-2060J9.TF CIT-HSP Homo sapiens genomic clone 2060J9, genomic survey se-
 quence.//9.7e-17:129:88//B69983
 R-MAMMA1002108
 R-MAMMA1002118//Human DNA sequence from cosmid E116C6, on chromosome 22 Contains ESTs, complete
 sequence.//0.94:168:64//Z73495
 45 R-MAMMA1002125//Homo sapiens chromosome 17, clone hRPK.63_A_1, complete sequence.//4.8e-40:313:83//
 AC005670
 R-MAMMA1002132//Homo sapiens PAC clone DJ1059M17 from 7q21-q31.1, complete sequence.//2.0e-70:461:
 83//AC004953
 R-MAMMA1002140//Human DNA sequence from PAC 465G10 on chromosome X contains Menkes Disease
 50 (ATP7A) putative Cu⁺⁺-transporting P-type ATPase exons 2 to 21, PGAM-B, ESTs.//1.1e-32:477:73//Z94801
 R-MAMMA1002143//Homo sapiens platelet-activating factor acetylhydrolase gene, promoter region and exon 1.//
 6.6e-06:130:73//AF027357
 R-MAMMA1002145//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 126A5, WORKING
 DRAFT SEQUENCE.//6.0e-19:242:73//AL031447
 55 R-MAMMA1002153//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0281M17;
 HTGS phase 1, WORKING DRAFT SEQUENCE, 3 unordered pieces.//2.1e-51:291:75//AC006052
 R-MAMMA1002155//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 608E8, WORKING
 DRAFT SEQUENCE.//1.2e-53:461:79//AL022343

- R-MAMMA1002156//Homo sapiens PAC clone DJ130H16 from 22q12.1-qter, complete sequence//5.1e-37:305:82//AC004997
- R-MAMMA1002158//Human DNA sequence from clone 1049G16 on chromosome 20q12-13.2 Contains gene similar to GLUCOSAMINE-6-SULFATASE, a nuclear receptor coactivator gene, ESTs, STSs, GSSs, complete sequence//8.1e-34:296:81//AL034418
- 5 R-MAMMA1002170//Human DNA sequence from clone 1163J1 on chromosome 22q13.2-13.33. Contains the 3' part of a gene for the ortholog of mouse transmembrane receptor Celsr1, a novel gene for a protein similar to C. elegans B0035.16 and bacterial tRNA (5-Methylaminomethyl-2-thiouridylate)-Methyltransferases, and the 3' part of a novel gene for a protein similar to mouse B99. Contains ESTs, GSSs and putative CpG islands, complete sequence//7.9e-39:332:82//AL031588
- 10 R-MAMMA1002174//Homo sapiens chromosome 10 clone CIT987SK-1109P11, complete sequence//4.4e-12:189:72//AC005871
- R-MAMMA1002198//Homo sapiens clone DJ0800G07, complete sequence//1.1e-48:338:81//AC004890
- R-MAMMA1002209//Homo sapiens chromosome 17, clone hRPK.156_L_14, complete sequence//1.2e-23:269:74//AC005821
- 15 R-MAMMA1002215//Homo sapiens clone GS250N06, WORKING DRAFT SEQUENCE, 5 unordered pieces//3.2e-12:243:68//AC005158
- R-MAMMA1002219//Homo sapiens 12p13.3 RPC14-773N5 (Roswell Park Cancer Institute Human PAC library) complete sequence//3.3e-45:295:88//AC004802
- 20 R-MAMMA1002230//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 423B22, WORKING DRAFT SEQUENCE//7.3e-41:385:78//AL034379
- R-MAMMA1002236//Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds//7.3e-45:363:79//U38253
- 25 R-MAMMA1002243//Homo sapiens chromosome 17, clone hRPK.112_H_10, complete sequence//2.8e-119:582:98//AC005666
- R-MAMMA1002250//Homo sapiens chromosome 16, P1 clone 109-9G (LANL), complete sequence//4.7e-42:319:84//AC005600
- R-MAMMA1002267//Homo sapiens chromosome 17, clone hRPK.346_K_10, complete sequence//1.5e-33:571:67//AC006120
- 30 R-MAMMA1002268//Mus musculus sphingosine kinase (SPHK1b) mRNA, complete cds//2.3e-35:462:70//AF068749
- R-MAMMA1002269//345I17.TV CIT978SKA1 Homo sapiens genomic clone A-345I17, genomic survey sequence//4.7e-05:153:69//B15590
- 35 R-MAMMA1002282//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 112K5, WORKING DRAFT SEQUENCE//8.5e-37:467:71//Z85987
- R-MAMMA1002292//Hordeum vulgare lipoyxygenase 2 (LoxC) mRNA, complete cds//0.074:178:61//L37358
- R-MAMMA1002293//Homo sapiens chromosome 16, cosmid clone RT167 (LANL), complete sequence//5.8e-26:355:71//AC005568
- 40 R-MAMMA1002294//Homo sapiens chromosome 17, clone hRPC.1110_E_20, complete sequence//1.2e-35:281:82//AC004231
- R-MAMMA1002297//Human DNA sequence from cosmid L174G8, Huntington's Disease Region, chromosome 4p16.3//6.7e-48:381:80//Z69375
- R-MAMMA1002298//Homo sapiens BAC clone RG208H19 from 7q11.23, complete sequence//.8e-17:296:70//AC005074
- 45 R-MAMMA1002299//HS_3116_A2_F07_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3116 Col=14 Row=K, genomic survey sequence//4.1e-60:354:91//AQ140526
- R-MAMMA1002308
- R-MAMMA1002310//Human DNA sequence from cosmid B10B1 on chromosome 22 Contains ESTs, CA repeat and STS, complete sequence//9.9e-35:283:83//Z73979
- 50 R-MAMMA1002311//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence//1.3e-86:503:90//AC006210
- R-MAMMA1002312//H.sapiens gene encoding La autoantigen//1.3e-23:382:67//X97869
- R-MAMMA1002317//Human DNA sequence from clone 48G12 on chromosome Xq27.1-27.3. Contains STSs and GSSs, complete sequence//1.3e-59:323:87//AL031054
- 55 R-MAMMA1002319//Homo sapiens chromosome 19, fosmid 39347, complete sequence//2.2e-106:522:98//AC005756
- R-MAMMA1002322//Homo sapiens genomic DNA, chromosome 21q11.1, segment 13/28, WORKING DRAFT SEQUENCE//2.3e-48:452:76//AP000042

- R-MAMMA1002329//M.musculus mRNA for semaphorin B//2.0e-12:210:73//X85991
- R-MAMMA1002332//Homo sapiens PAC clone DJ1139I01 from Xq23, complete sequence//3.4e-46:393:71//AC004973
- 5 R-MAMMA1002333//HS_3245_A1_B04_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3245 Col=7 Row=C, genomic survey sequence//3.1e-21:146:92//AQ205759
- R-MAMMA1002339//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence//9.7e-39:310:79//AF001549
- R-MAMMA1002347//Homo sapiens 12q24.1 PAC RPCI3-305I20 (Roswell Park Cancer Institute Human PAC Library) complete sequence//1.2e-46:443:76//AC006088
- 10 R-MAMMA1002351//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1059H15, WORKING DRAFT SEQUENCE//1.1e-90:553:89//AL022100
- R-MAMMA1002352//Homo sapiens mRNA for leukemia associated gene 2//8.8e-81:388:92//Y15228
- R-MAMMA1002353//Homo sapiens 12q24 BAC RPCI11-162P23 (Roswell Park Cancer Institute Human BAC library) complete sequence//5.5e-35:302:80//AC002996
- 15 R-MAMMA1002355//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 222E13, WORKING DRAFT SEQUENCE//5.4e-52:361:76//Z93241
- R-MAMMA1002356//Homo sapiens chromosome 17, clone hRPC.842_A_23, complete sequence//8.3e-28:187:91//AC004662
- R-MAMMA1002359//Human DNA sequence from cosmid L118D5, Huntington's Disease Region, chromosome 4p16.3 contains CpG islands//6.3e-47:297:85//268869
- 20 R-MAMMA1002360//HS_2163_B2_C08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2163 Col=16 Row=F, genomic survey sequence//1.5e-20:374:66//AQ125213
- R-MAMMA1002361//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 349A12, WORKING DRAFT SEQUENCE//2.2e-35:264:85//AL033520
- 25 R-MAMMA1002362//H.sapiens PEX gene//1.8e-40:243:86//Y10196
- R-MAMMA1002380//RPCI11-73J4.TJ RPCI11 Homo sapiens genomic clone R-73J4, genomic survey sequence//1.7e-38:295:77//AQ268168
- R-MAMMA1002384//Homo sapiens 12q13.1 PAC RPCI1-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence//2.5e-37:311:81//AC004801
- 30 R-MAMMA1002385
- R-MAMMA1002392//Human BAC clone RG066D11 from 7q22, complete sequence//2.0e-37:365:77//AC002430
- R-MAMMA1002411//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 64K7, WORKING DRAFT SEQUENCE//9.4e-22:496:65//AL031668
- R-MAMMA1002413//Homo sapient 12q24.2 PAC RPCI1-157K6 (Roswell Park Cancer Institute Human PAC library) complete sequence//2.3e-15:153:77//AC005146
- 35 R-MAMMA1002417//Human DNA sequence from PAC 426I6 on chromosome 1p34.1-1p35. Contains NIPP-1-like gene a nuclear inhibitor of protein phosphatase-1, ESTs, and a CA repeat//1.8e-23:508:62//AL020997
- R-MAMMA1002427//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence//2.5e-37:288:84//U91321
- 40 R-MAMMA1002428//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1185N5, WORKING DRAFT SEQUENCE//6.0e-05:130:75//AL034423
- R-MAMMA1002434//Homo sapiens DNA sequence from PAC 380E11 on chromosome 6p22.3-p24. Contains HB15 gene, ESTs, CA repeat, STS and GSS//4.8e-18:205:78//AL022396
- R-MAMMA1002446//CIT-HSP-2021L14.TR CIT-HSP Homo sapiens genomic clone 2021L14, genomic survey sequence//4.6e-41:387:72//B65379
- 45 R-MAMMA1002454//Homo sapiens chromosome 19, cosmid F23259, complete sequence//1.2e-67:491:82//AC005512
- R-MAMMA1002461//Homo sapiens PAC clone 166H1 from 12q, complete sequence//1.4e-28:188:85//AC003982
- R-MAMMA1002470//Saccharomyces cerevisiae chromosome VIII cosmid 9205//6.3e-09:280:61//U10556
- 50 R-MAMMA1002475//Human DNA sequence from PAC 306D1 on chromosome X contains ESTs//1.5e-25:310:74//Z83822
- R-MAMMA1002480//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces//1.2e-98:533:93//AC005077
- R-MAMMA1002485//Homo sapiens stanniocalcin-2 (STC-2) mRNA, complete cds//2.7e-114:560:97//AF055460
- 55 R-MAMMA1002494//Human DNA sequence from cosmid L174G8, Huntington's Disease Region, chromosome 4p16.3//2.1e-46:329:84//Z69375
- R-MAMMA1002498//Rat mRNA//0.0068:223:64//M59859
- R-MAMMA1002524//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING

EP 1 074 617 A2

DRAFT SEQUENCE, 5 unordered pieces.//0.012:460:60//AC005139
R-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds.//1.2e-101:529:95//AF065214
5 R-MAMMA1002545//Homo sapiens ribosomal protein s4 Y isoform gene, complete cds.//6.6e-50:471:77//AF041427
R-MAMMA1002554//Homo sapiens chromosome 4 clone B227H22 map 4q25, complete sequence.//5.7e-38:279:84//AC004056
R-MAMMA1002556//Homo sapiens chromosome 10 clone CIT-HSP-1255F20 map 10p11.2-10p12.1, complete sequence.//9.6e-13:237:67//AC005878
10 R-MAMMA1002566//CITBI-E1-2509P21.TR CITBI-E1 Homo sapiens genomic clone 2509P21, genomic survey sequence.//9.7e-14:216:73//AQ261427
R-MAMMA1002571//CITBI-E1-2516L21.TF CITBI-E1 Homo sapiens genomic clone 2516L21, genomic survey sequence.//4.6e-25:142:99//AQ279542
R-MAMMA1002573//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 811H13, WORKING
15 DRAFT SEQUENCE.//1.1e-30:250:82//AL023805
R-MAMMA1002585//Rabbit angiotensin-converting enzyme (ACE) gene, 5' end.//1.0:196:61//M58580
R-MAMMA1002590//H.sapiens CpG island DNA genomic MseI fragment, clone 8d5, forward read cpg8d5.f1g.//1.0:114:64//Z63758
R-MAMMA1002597//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1103G7, WORKING
20 DRAFT SEQUENCE.//9.0e-96:459:98//AL034548
R-MAMMA1002598//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 120G22, WORKING DRAFTSEQUENCE.//0.79:362:58//AL031847
R-MAMMA1002603//Homo sapiens chromosome 17, clone hRPK.214_C_8, complete sequence.//1.3e-46:333:80//AC005803
25 R-MAMMA1002612//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 269M15, WORKING DRAFT SEQUENCE.//7.4e-41:283:86//AL021395
R-MAMMA1002617//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 591N18, WORKING DRAFT SEQUENCE.//1.7e-20:308:71//AL031594
R-MAMMA1002618//Homo sapiens clone RG122E10, complete sequence.//1.2e-31:230:76//AC005067
30 R-MAMMA1002619//Homo sapiens chromosome 21 PAC RPCIP704E14135Q2.//9.0e-113:551:98//AJ010598
R-MAMMA1002622//Homo sapiens chromosome 4 clone B207D4 map 4q25, complete sequence.//2.8e-43:324:83//AC004050
R-MAMMA1002623//Homo sapiens chromosome 17, clone hRPC.1171_L_10, complete sequence.//2.7e-80:344:84//AC004687
35 R-MAMMA1002625//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1056L3, WORKING DRAFT SEQUENCE.//2.6e-34:391:72//AL031727
R-MAMMA1002629//Human DNA from overlapping chromosome 19-specific cosmids R32543,, and F15613 containing ZNF gene family member, genomic sequence, complete sequence.//5.5e-58:346:81//AC003006
R-MAMMA1002636//Homo sapiens clone DJ0810E06, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.1e-52:285:92//AC004895
40 R-MAMMA1002637//Mus musculus kinesin light chain 2 (Klc2) mRNA, complete cds.//2.1e-13:359:64//AF055666
R-MAMMA1002646//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 39417, WORKING DRAFT SEQUENCE.//2.5e-24:285:68//AL023585
R-MAMMA1002650//Human IGF-II gene exon 2 for insulin-like growth factor II located on chromosome 11.//0.64:237:61//X03424
45 R-MAMMA1002655//Homo sapiens mini satellite cebI repeat region.//0.18:152:65//AF048727
R-MAMMA1002662//Homo sapiens clone DJ0739M23, complete sequence.//2.5e-46:370:82//AC004870
R-MAMMA1002665//Human DNA sequence from PAC 435C23 on chromosome X. Contains ESTs.//7.4e-55:298:92//Z92844
50 R-MAMMA1002671//RPCI11-45M10.TK RPCI11 Homo sapiens genomic clone R-45M10, genomic survey sequence.//0.99:151:66//AQ194411
R-MAMMA1002673//Homo sapiens DNA sequence from PAC 454M7 on chromosome Xq25-26.3. Contains the OCRL1 gene for Lowe Oculocerebrorenal Syndrome protein OCRL-1. Contains ESTs, STSs and GSSs, complete sequence.//3.1e-38:410:76//AL022162
55 R-MAMMA1002684//Homo sapiens mRNA for KIAA0214 protein, complete cds.//1.4e-107:544:96//D86987
R-MAMMA1002685//HS_2052_A1_H02_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2052 Col=3 Row=O, genomic survey sequence.//1.2e-23:255:75//AQ231087
R-MAMMA1002698//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library)

- complete sequence//1.1e-38:299:83//AC004673
- R-MAMMA1002699//Mus musculus intersectin-EH binding protein lbp1 mRNA, partial cds//3.3e-05:61:93//AF057285
- R-MAMMA1002701//Homo sapiens gene for AF-6, complete cds//3.5e-39:317:81//AB011399
- 5 R-MAMMA1002708//Homo sapiens 12p13.3 PAC RPCI5-977L1 (Roswell Park Cancer Institute Human PAC library) complete sequence//0.26:365:62//AC005293
- R-MAMMA1002711//Homo sapiens chromosome 21 PAC LLNLP704F18108Q13//2.5e-31:304:77//AJ006995
- R-MAMMA1002721//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 473B4, WORKING DRAFT SEQUENCE//2.3e-40:279:87//Z83826
- 10 R-MAMMA1002727//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING DRAFT SEQUENCE, 2 unordered pieces//0.45:183:64//AC004710
- R-MAMMA1002728//Human Chromosome 11 Overlapping Cosmids cSRL72g7 and cSRL140b8, complete sequence//1.1e-42:410:74//AC002037
- R-MAMMA1002744//Human chromosome 8 BAC clone CIT987SK-2A8 complete sequence//1.6e-19:473:63//U96629
- 15 R-MAMMA1002746//Homo sapiens chromosome 17, clone hRPK.136_H_19, complete sequence//2.2e-108:544:97//AC005856
- R-MAMMA1002748//Homo sapiens 3p22 Contig 7 PAC RPCI4-672N11 (Roswell Park Cancer Institute Human PAC Library) complete sequence//5.9e-106:551:95//AC006055
- 20 R-MAMMA1002754//Homo sapiens clone GS259H13, WORKING DRAFT SEQUENCE, 4 unordered pieces//1.7e-34:305:79//AC005020
- R-MAMMA1002758//Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and ccr6 (ccr6) genes, complete cds, and lactoferrin (lactoferrin) gene, partial cds, complete sequence//0.00014:130:74//U95626
- R-MAMMA1002764//Homo sapiens chromosome 19, cosmid R33632, complete sequence//8.7e-10:118:81//AC005781
- 25 R-MAMMA1002765//Homo sapiens chromosome 19, cosmid F20900, complete sequence//1.2e-31:290:78//AC006128
- R-MAMMA1002769//Human DNA sequence from PAC 36J3, between markers DXS1192 and DXS102 on chromosome X//0.94:260:62//Z82975
- 30 R-MAMMA1002780//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 620E11, WORKING DRAFT SEQUENCE//2.6e-21:529:62//AL031667
- R-MAMMA1002782//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 199H16, WORKING DRAFT SEQUENCE//2.8e-30:234:72//AL022320
- R-MAMMA1002796//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 237J2, WORKING DRAFT SEQUENCE//1.0:155:66//AL021394
- 35 R-MAMMA1002807//Human DNA sequence from BAC 941F9 on chromosome 22q11.2-qter. Contains ESTs, STSs and 3' part of FIBULIN-1 D PRECURSOR like gene, part of a Brain Protein E46 like gene and a CpG island, complete sequence//5.0e-42:443:75//Z95331
- R-MAMMA1002820//345M16.TVB CIT978SKA1 Homo sapiens genomic clone A-345M16, genomic survey sequence//1.3e-14:95:87//B17487
- 40 R-MAMMA1002830//Human PAC clone DJ515N1 from 22q11.2-q22, complete sequence//4.1 e-20:223:74//AC002073
- R-MAMMA1002833//Homo sapiens Xp22 bins 3-5 PAC RPCI4-617A9 (Roswell Park Cancer Institute Human PAC Library) containing Arylsulfatase D and E genes, complete sequence//1.8e-37:295:84//AC005295
- 45 R-MAMMA1002835
- R-MAMMA1002838//Human gene hY3 encoding a cytoplasmic Ro RNA//4.4e-14:108:92//V00585
- R-MAMMA1002842//CIT-HSP-2017022.TRB CIT-HSP Homo sapiens genomic clone 2017022, genomic survey sequence//5.2e-43:168:85//B67141
- R-MAMMA1002843//Homo sapiens clone GS051M12, complete sequence//8.7e-44:525:71//AC005007
- 50 R-MAMMA1002844
- R-MAMMA1002858//H.sapiens ERF-1 mRNA 3' end//2.8e-99:361:91//X79067
- R-MAMMA1002868//Homo sapiens clone DJ0852024, WORKING DRAFT SEQUENCE, 2 unordered pieces//9.6e-39:288:81//AC004906
- R-MAMMA1002871//Homo sapiens BAC clone NH0539B24 from 7p15.1-p14, complete sequence//0.0022:490:57//AC006044
- 55 R-MAMMA1002880//Homo sapiens Xp22 Bins 35-37 BAC GSHB-214D18 (Genome Systems Human BAC Library) complete sequence//1.3e-09:143:76//AC005296
- R-MAMMA1002881//Human thymopoietin (TMPO) gene, partial exon 6, complete exon 7, partial exon 8, and partial

- cds for thymopoietin beta.//5.1e-41:264:87//U18271
 R-MAMMA1002886//Homo sapiens DNA sequence from PAC 168L15 on chromosome 6q26-27. Contains RSK3 gene, ribosomal protein S6 kinase, EST, GSS, STS. CpG island, complete sequence.//4.7e-32:216:90//AL022069
 R-MAMMA1002887
 5 R-MAMMA1002890
 3.4e-49:376:81//AG006257
 R-MAMMA1002892//Homo sapiens PAC clone DJ0765G07 from 7q11, complete sequence.//6.0e-60:344:79//AC004881
 R-MAMMA1002895//RPC111-90K13.TV RPC111 Homo sapiens genomic clone R-90K13, genomic survey sequence.//2.1e-34:300:77//AQ283502
 10 R-MAMMA1002908//Human Chromosome X, complete sequence.//4.2e-39:297:85//AC004070
 R-MAMMA1002909//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0442P12; HTGS phase 1, WORKING DRAFT SEQUENCE, 5 unordered pieces.//3.4e-23:344:74//AC005798
 R-MAMMA1002930//Homo sapiens PAC clone DJ1048B16 from 7q34-q36, complete sequence.//5.2e-39:261:88//AC006019
 15 R-MAMMA1002938//C.pasteurianum gap gene.//1.0:343:59//X72219
 R-MAMMA1002941//Homo sapiens chromosome 17, clone hRPK.346_K_10, complete sequence.//6.3e-88:556:87//AC006120
 R-MAMMA1002947
 20 0.48:156:69//AC005469
 R-MAMMA1002964//Human DNA sequence from PAC 426I6 on chromosome 1p34.1-1p35. Contains NIPP-1-like gene a nuclear inhibitor of protein phosphatase-1, ESTs, and a CA repeat.//1.2e-39:473:73//AL020997
 R-MAMMA1002970//Homo sapiens chromosome 5, P1 clone 793c5 (LBNL H57), complete sequence.//4.7e-47:420:77//AC005200
 25 R-MAMMA1002972//alpha 1 syntrophin [human, mRNA Partial, 1771 nt] .//0.97:305:62//S81737
 R-MAMMA1002973//Human DNA sequence from cosmid V210E9, between markers DXS366 and DXS87 on chromosome X.//2.6e-35:256:85//Z70280
 R-MAMMA1002982 1.0e-27:110:85//AG005524
 R-MAMMA1002987//Homo sapiens PAC clone DJ1086D14, complete sequence.//1.4e-28:527:66//AC004460
 30 R-MAMMA1003003//Homo sapiens chromosome 10 clone CRI-JC2059 map 10q24.1-10q24.2, WORKING DRAFT SEQUENCE, 1 ordered pieces.//7.9e-48:418:78//AC006109
 R-MAMMA1003004//, complete sequence.//2.0e-12:442:61//AC005406
 R-MAMMA1003007//Homo sapiens chromosome 10 clone CRI-JC2059 map 10q24.1-10q24.2, WORKING DRAFT SEQUENCE, 1 ordered pieces.//1.7e-48:293:91//AC006109
 35 R-MAMMA1003011//A-306G8.TP CIT978SK Homo sapiens genomic clone A-306G8, genomic survey sequence.//0.45:168:64//B18092
 R-MAMMA1003015//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//2.9e-44:399:77//AC005740
 R-MAMMA1003019//RPC111-9J9.TV RPC111 Homo sapiens genomic clone RPC111-9J9, genomic survey sequence.//2.7e-14:294:68//B71583
 40 R-MAMMA1003026//HS_2166_B2_C12_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2166 Col=24 Row=F, genomic survey sequence.//0.021:189:64//AQ125639
 R-MAMMA1003031//Homo sapiens chromosome 5, BAC clone 319C17 (LBNL H159), complete sequence.//1.8e-98:525:95//AC005214
 45 R-MAMMA1003035//Homo sapiens 12q13.1 Cosmid C174F5 (Lawrence Livermore LL12NC01 or LL12NC02 human cosmid libraries) complete sequence.//6.7e-06:297:63//AC004550
 R-MAMMA1003039//RPC111-56J17.TJ RPC111 Homo sapiens genomic clone R-56J17, genomic survey sequence.//0.21:375:59//AQ081889
 R-MAMMA1003040//Human DNA sequence from cosmid L108f12, Huntington's Disease Region, chromosome 4p16.3.//2.7e-29:298:67//Z49235
 50 R-MAMMA1003044//Homo sapiens chromosome 19, cosmid R30676, complete sequence.//2.9e-14:113:91//AC004560
 R-MAMMA1003047
 R-MAMMA1003049
 55 R-MAMMA1003055//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 377F16, WORKING DRAFT SEQUENCE.//2.3e-45:317:86//Z93783
 R-MAMMA1003056//Homo sapiens chromosome 19, cosmid R34275, complete sequence.//1.0:229:63//AC005305

EP 1 074 617 A2

R-MAMMA1003057//M.domesticus MD6 mRNA//6.2e-42:326:82//X54352
R-MAMMA1003066//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 473B4, WORKING
DRAFT SEQUENCE//3.1e-49:299:87//Z83826
5 R-MAMMA1003089//Homo sapiens BAC clone RG298G08 from 7p15-p21, complete sequence//2.7e-30:520:67//
AC005084
R-MAMMA1003099//RPCI11-8N9.TP RPCI-11 Homo sapiens genomic clone RPCI-11-8N9, genomic survey se-
quence//4.2e-44:338:82//B71494
R-MAMMA1003104//Mus musculus rostral cerebellar malformation protein (rcm) mRNA, complete cds//3.4e-48:
423:79//U72634
10 R-MAMMA1003113//Homo sapiens chromosome 12p13.3 clone RPCI11-433J6, WORKING DRAFT SEQUENCE,
100 unordered pieces//4.8e-114:567:97//AC006087
R-MAMMA1003127//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 250D10, WORKING
DRAFT SEQUENCE//1.4e-34:283:83//Z99716
R-MAMMA1003135//P.knowlesi Mbn-cutting sites in lambda KBS50//0.010:243:62//M38776
15 R-MAMMA1003140//Homo sapiens chromosome 17, clone HCIT87G17, complete sequence//6.7e-34:288:81//
AC003663
R-MAMMA1003146//Saccharomyces douglasii mitochondrial cytochrome c oxidase subunit I (COXI) gene, com-
plete cds//4.8e-08:438:59//M97514
R-nnnnnnnnnnnnn//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 598F2, WORKING
20 DRAFT SEQUENCE//1.7e-63:149:94//AL021579
R-MAMMA1003166//HS_3128_A1_B01_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3128 Col=1 Row=C, genomic survey sequence//3.0e-17:261:70//AQ140766
R-NT2RM2002580//Homo sapiens clone 24781 mRNA sequence//2.6e-111:593:94//AF070640
R-NT2RM4000024
25 R-NT2RM4000027//Homo sapiens PAC clone DJ1194E14 from 7p21, complete sequence//0.026:476:56//
AC004993
R-NT2RM4000030//Mus musculus musculus sex determining protein (Sry) gene, complete cds//0.00044:378:59//
U70653
R-NT2RM4000046//M.mulatta MHC DR beta 6 gene encoding major histocompatibility complex//0.27:130:64//
30 Z26239
R-NT2RM4000061
R-NT2RM4000085//Homo sapiens clone 24700 unknown mRNA, partial cds//7.2e-112:550:97//AF070639
R-NT2RM4000086//RPCI11-6J23.TV RPCI-11 Homo sapiens genomic clone RPCI-11-6J23, genomic survey se-
quence//7.2e-18:277:71//B49463
35 R-NT2RM4000104//F.rubripes GSS sequence, clone 063K10aG5, genomic survey sequence//3.6e-08:287:61//
Z88817
R-NT2RM4000139//Homo sapiens chromosome 16, cosmid clone 330D11 (LANL), complete sequence//9.4e-08:
336:65//AC005199
R-NT2RM4000155
40 R-NT2RM4000156//Homo sapiens chromosome 17, clone hRPK.136_H_19, complete sequence//3.4e-23:335:
72//AC005856
R-nnnnnnnnnnnnn//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds//1.6e-87:551:87//
D12646
R-NT2RM4000169//Human ribosomal protein L37a mRNA sequence//5.9e-14:122:88//L22154
45 R-NT2RM4000191
R-NT2RM4000197//HS_3241_A2_H05_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3241 Col=10 Row=O, genomic survey sequence//2.8e-86:430:97//AQ206812
R-NT2RM4000199//Mus musculus Yp BAC GSMB-368G7 (Genome Systems Mouse BAC Library) complete se-
quence//0.0047:193:63//AC006056
50 R-NT2RM4000200
R-NT2RM4000202//Homo sapiens chromosome 16, cosmid clone 378E2 (LANL), complete sequence//2.1e-40:
334:76//AC004035
R-NT2RM4000210//Homo sapiens mRNA for KIAA0712 protein, complete cds//5.2e-102:546:94//AB018255
R-NT2RM4000215
55 R-nnnnnnnnnnnnn//Homo sapiens chromosome 10 clone CIT987SK-1144G6 map 10q25.1, complete sequence//
2.1e-55:303:86//AC005383
R-NT2RM4000233//Struthio camelus microsatellite sequence OSM 7//1.2e-07:198:67//AF003735
R-NT2RM4000244//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence//1.7e-

49:322:88//AC006116
R-NT2RM4000251//Homo sapiens Chromosome 22q11.2 BAC Clone 72f8 In DGCR Region, complete sequence.//
0.97:184:66//AC000085
R-NT2RM4000265//Human PAC clone DJ073F11 from Xq23, complete sequence.//6.2e-66:552:78//AC000055
5 R-NT2RM4000290//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 39417, WORKING
DRAFT SEQUENCE.//1.4e-05:229:65//AL023585
R-NT2RM4000324
R-NT2RM4000327//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 75N14, WORKING
DRAFT SEQUENCE.//3.3e-42:443:75//Z97199
10 R-NT2RM4000344//Homo sapiens clone DJ0309D19, WORKING DRAFT SEQUENCE, 12 unordered pieces.//
6.4e-64:433:84//AC004826
R-NT2RM4000349//Human mRNA for KIAA0005 gene, complete cds.//7.7e-11:210:69//D13630
R-NT2RM4000354//Caenorhabditis elegans cosmid T14A8.//0.084:257:60//U50066
R-NT2RM4000356
15 R-NT2RM4000366//Homo sapiens mRNA for KIAA0642 protein, partial cds.//8.7e-112:577:95//AB014542
R-NT2RM4000368
1.6e-48:348:85//AG006257
R-NT2RM4000386//Rat mRNA for growth potentiating factor, complete cds.//4.4e-35:141:87//D42148
R-NT2RM4000395//RPCI11-8N9.TP RPCI-11 Homo sapiens genomic clone RPCI-11-8N9, genomic survey se-
20 quence.//1.4e-25:207:75//871494
R-NT2RM4000414//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 228H13, WORKING
DRAFT SEQUENCE.//7.1e-17:492:64//AL031985
R-NT2RM4000421//RPCI11-66B1.TK RPCI11 Homo sapiens genomic clone R-66B1, genomic survey sequence.//
1.8e-40:311:82//AQ241167
25 R-NT2RM4000425//Homo sapiens chromosome Xp22-135-136 clone GSHB-56711, WORKING DRAFT SE-
QUENCE, 35 unordered pieces.//2.5e-47:316:87//AC005867
R-NT2RM4000433//Mus musculus retinoic acid-responsive protein (Stra6) mRNA, complete cds.//1.6e-17:133:
78//AF062476
R-NT2RM4000457
30 R-NT2RM4000471//Homo sapiens mRNA for putative tRNA splicing protein, partial.//4.6e-113:559:96//AJ010952
R-NT2RM4000486//Homo sapiens mRNA, complete cds, clone:RES4-22C.//0.00015:170:67//AB000461
R-NT2RM4000496
R-NT2RM4000511//Rat troponin T cardiac isoform gene, complete cds.//0.21:290:58//M80829
R-NT2RM4000514//CIT-HSP-2169K4.TR CIT-HSP Homo sapiens genomic clone 2169K4, genomic survey se-
35 quence.//1.5e-20:150:89//B95717
R-nnnnnnnnnnnn//HS-1024-B2-G01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone
Plate=CT 803 Col=2 Row=N, genomic survey sequence.//6.3e-10:74:98//B34556
R-NT2RM4000520//Caenorhabditis elegans cosmid F36H12.//0.15:406:61//AF078790
R-NT2RM4000531
40 R-NT2RM4000532//Plasmodium falciparum chromosome 2, section 28 of 73 of the complete sequence.//1.0:119:
66//AE001391
R-NT2RM4000534//paramecium species 4.51er mt dna dimer: replication init. region, clone 2.//9.8e-05:326:60//
K00909
R-NT2RM4000585//HS_3252_A2_G08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
45 nomic clone Plate=3252 Col=16 Row=M, genomic survey sequence.//1.9e-69:376:93//AQ219890
R-NT2RM4000590//CIT-HSP-539O24.TV CIT-HSP Homo sapiens genomic clone 539O24, genomic survey se-
quence.//1.7e-38:226:93//B50657
R-NT2RM4000595//Human Chromosome X clone bWDX342, complete sequence.//1.0:239:61//AC004072
R-NT2RM4000603//RPCI11-49P13.TK RPCI11 Homo sapiens genomic clone R-49P13, genomic survey se-
50 quence.//0.77:139:64//AQ051950
R-nnnnnnnnnnnn
R-NT2RM4000616//HS_3107_A2_B03_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3107 Col=6 Row=C, genomic survey sequence.//1.3e-54:272:99//AQ210034
R-NT2RM4000674
55 R-NT2RM4000689//Mus musculus pericentrin mRNA, complete cds.//3.5e-70:551:80//U05823
R-NT2RM4000698
R-nnnnnnnnnnnn
R-NT2RM4000712//Homo sapiens clone NH0512E16, complete sequence.//0.54:294:58//AC005039

R-NT2RM4000717//Plasmodium falciparum MAL3P8, complete sequence//0.050:387:58//AL034560
 R-NT2RM4000733//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 423B22, WORKING
 DRAFT SEQUENCE//1.0e-107:566:95//AL034379
 R-NT2RM4000734//Homo sapiens mRNA for KIAA0760 protein, partial cds//1.1e-103:536:95//AB018303
 5 R-NT2RM4000741//CIT-HSP-2294N4.TR CIT-HSP Homo sapiens genomic clone 2294N4, genomic survey se-
 quence//5.2e-41:244:93//AQ006361
 R-NT2RM4000751//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 537K23, WORKING
 DRAFT SEQUENCE//2.7e-28:416:67//AL034405
 R-NT2RM4000764//Human HepG2 3' region Mbol cDNA, clone hmd3g01m3//2.1e-33:199:96//D17217
 10 R-NT2RM4000778//Homo sapiens Xp22 BAC 620F15 (Genome Systems BAC library) complete sequence//
 0.00060:241:62//AC002980
 R-NT2RM4000779//Homo sapiens mRNA for KIAA0451 protein, complete cds//2.9e-104:546:94//AB007920
 R-NT2RM4000787//Homo sapiens, clone hRPK.3_A_1, complete sequence//5.3e-32:321:77//AC006198
 R-NT2RM4000790//Homo sapiens chromosome 19, cosmid R27216, complete sequence//1.9e-111:552:97//
 15 AC005306
 R-NT2RM4000795//Homo sapiens Chromosome 17p13 Cosmid Clone cos39, complete sequence//0.74:364:57//
 U58675
 R-NT2RM4000796//Homo sapiens full-length insert cDNA clone ZD62D10//2.7e-105:510:98//AF086348
 R-NT2RM4000798//Human polymorphic epithelial mucin core protein mRNA, 3' end//7.7e-27:158:96//M21868
 20 R-NT2RM4000813
 R-NT2RM4000820//, complete sequence//2.0e-104:432:97//AC005406
 R-NT2RM4000833//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MXI22, complete sequence//
 2.0e-07:166:68//AB012248
 R-NT2RM4000848//Rabies virus matrix (M) protein mRNA, complete cds//0.073:70:84//M22013
 25 R-NT2RM4000852//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING
 DRAFT SEQUENCE, 3 unordered pieces//1.0:237:62//AC004709
 R-NT2RM4000855
 R-nnnnnnnnnnn//HS_3189_B2_B08_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genom-
 ic clone Plate=3189 Col=16 Row=D, genomic survey sequence//2.1e-06:114:73//AQ300597
 30 R-NT2RM4000895//Pan troglodytes HS19.8-similar locus and Y Alu element, genomic survey sequence//3.8e-
 46:207:91//AF077058
 R-NT2RM4000950//Human BAC clone RG341D10 from 7p15-p21, complete sequence//1.0:336:60//AC002530
 R-NT2RM4000971//Human Xq28 cosmids U126G1, U142F2, U69B6, U145C10, U169A5, U84H1, U24D12,
 U80A7, U153E6, L35485, and R7-163A8 containing iduronate 2-sulfatase gene and pseudogene, complete se-
 35 quence//7.1e-09:259:64//AF011889
 R-NT2RM4000979
 R-NT2RM4000996//HS_3164_A1_E02_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3164 Col=3 Row=I, genomic survey sequence//2.0e-82:443:94//AQ141622
 R-NT2RM4001002//Homo sapiens mRNA for KIAA0729 protein, partial cds//1.2e-112:545:97//AB018272
 40 R-NT2RM4001016//Homo sapiens mRNA for KIAA0639 protein, partial cds//7.9e-113:556:97//AB014539
 R-NT2RM4001032//Homo sapiens Surf-5 and Surf-6 genes//1.2e-10:120:82//AJ224639
 R-NT2RM4001047//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 163G9, WORKING
 DRAFT SEQUENCE//1.0:158:67//AL008733
 R-NT2RM4001054//CIT-HSP-2292N8.TR CIT-HSP Homo sapiens genomic clone 2292N8, genomic survey se-
 45 quence//5.8e-19:118:97//AQ004096
 R-nnnnnnnnnnn//Mouse DNA with homology to EBV IR3 repeat, segment 1, clone Mu2//1.0e-05:271:64//
 M10296
 R-NT2RM4001092//CITBI-E1-2524J20.TR CITBI-E1 Homo sapiens genomic clone 2524J20, genomic survey se-
 quence//1.0:186:63//AQ277294
 50 R-NT2RM4001116
 R-NT2RM4001140//Homo sapiens PAC clone DJ0964C11 from 7p14-p15, complete sequence//3.6e-79:468:90//
 AC004593
 R-NT2RM4001151//HS_2270_B1_E05_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=2270 Col=9 Row=J, genomic survey sequence//5.5e-62:312:98//AQ163739
 55 R-NT2RM4001155//Homo sapiens chromosome 12p13.3 clone RPCI4-816N1, WORKING DRAFT SEQUENCE,
 31 unordered pieces//1.4e-107:536:97//AC005841
 R-NT2RM4001160//HS_3015_B1_H10_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3015 Col=19 Row=P, genomic survey sequence//7.1e-35:201:95//AQ118712

R-NT2RM4001187//X.laevis xUBFbeta2 mRNA for upstream binding factor 1.//0.019:177:63//X57201
 R-NT2RM4001191//HS_3002_A1_F05_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3002 Col=9 Row=K, genomic survey sequence.//3.9e-33:230:75//AQ088791
 R-NT2RM4001200//Homo sapiens full-length insert cDNA clone YL35H03//7.5e-69:335:99//AF085857
 5 R-NT2RM4001203
 R-NT2RM4001204
 R-NT2RM4001217
 R-NT2RM4001256
 R-NT2RM4001258
 10 R-NT2RM4001309
 R-NT2RM4001313//Homo sapiens 12q24.1 PAC RPC11-71H24 (Roswell Park Cancer Institute Human PAC li-
 brary) complete sequence.//0.00055:183:63//AC004551
 R-NT2RM4001316//Homo sapiens chromosome 17, clone hCIT.117_K_16, complete sequence.//4.5e-21:212:79//
 AC004757
 15 R-NT2RM4001320//CIT-HSP-2303E22.TR CIT-HSP Homo sapiens genomic clone 2303E22, genomic survey se-
 quence.//3.8e-30:86:89//AQ021084
 R-NT2RM4001340
 0.0027:493:60//AC005133
 R-NT2RM4001344
 20 R-NT2RM4001347//CITBI-E1-2506I20.TR CITBI-E1 Homo sapiens genomic clone 2506I20, genomic survey se-
 quence.//6.5e-16:1.01:99//AQ262797
 R-NT2RM4001371//CITBI-E1-2503G21.TR CITBI-E1 Homo sapiens genomic clone 2503G21, genomic survey
 sequence.//0.063:140:65//AQ265776
 R-NT2RM4001382//HS_3044_A1_F02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 25 nomic clone Plate=3044 Col=3 Row=K, genomic survey sequence.//0.96:103:66//AQ098668
 R-NT2RM4001384//R.norvegicus mRNA for dendrin.//8.5e-07:120:75//Y09000
 R-NT2RM4001410//Bovine cytochrome P450-scc mRNA fragment.//2.3e-15:199:75//M25920
 R-NT2RM4001411//Rattus norvegicus FcεRI gamma-chain interacting protein SH2-B (SH2-B) mRNA, complete
 cds.//1.7e-55:235:83//U57391
 30 R-NT2RM4001412
 R-NT2RM4001414//Homo sapiens Xp22 Cosmids U98B4 and U24F2 (Lawrence Livermore human cosmid library)
 complete sequence.//1.7e-80:489:89//U69730
 R-NT2RM4001437//RPC11-56D2.TJ RPC11 Homo sapiens genomic clone R-56D2, genomic survey sequence.//
 3.8e-43:250:93//AQ081969
 35 R-NT2RM4001444//Homo sapiens Xp22-171-173 BAC GSHB-312I4 (Genome Systems Human BAC Library)
 complete sequence.//0.0034:224:63//AC005926
 R-NT2RM4001454//Homo Sapiens Chromosome X clone bWXd90, complete sequence.//2.4e-33:360:68//
 AC004075
 R-NT2RM4001455//HS_3229_B1_E04_MR CIT Approved-Human Genomic Sperm Library D Homo sapiens ge-
 40 nomic clone Plate=3229 Col=7 Row=J, genomic survey sequence.//1.0:183:61//AQ191289
 R-NT2RM4001483//Homo sapiens clone DJ0826E18, WORKING DRAFT SEQUENCE, 4 unordered pieces.//
 2.2e-51:451:79//AC005282
 R-NT2RM4001489//Homo sapiens mRNA for KIAA0685 protein, complete cds.//2.2e-102:547:93//AB014585
 R-NT2RM4001519//HS_2208_A1_F07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 45 nomic clone Plate=2208 Col=13 Row=K, genomic survey sequence.//0.25:214:63//AQ091836
 R-NT2RM4001522//H.sapiens gene for Cu/Zn-superoxide dismutase.//3.6e-13:246:70//Z29336
 R-NT2RM4001557//Plasmodium falciparum MAL3P4, complete sequence.//0.055:320:58//AL008970
 R-NT2RM4001565//Homo sapiens chromosome 12p13.3 clone RPC111-189M20, WORKING DRAFT SE-
 50 QUENCE, 39 unordered pieces.//3.9e-26:329:72//AC005910
 R-NT2RM4001566//Human trophinin mRNA, complete cds.//6.3e-38:296:86//U04811
 R-NT2RM4001569//Human DNA sequence from clone 461P17 on chromosome 20q12-13.2. Contains four novel
 (pseudo)genes for proteins with Kunitz/Bovine pancreatic trypsin inhibitor and/or WAP-type (Whey Acidic Protein)
 'four-disulfide core' domains, COX6C (Cytochrome C Oxidase Polypeptide VIC, EC 1.9.3.1) and RPL5 (60S Ri-
 55 bosomal Protein L5) pseudogenes, a pseudogene similar to part of the HSPD1 (HSP60, Mitochondrial Matrix
 Protein P1 precursor, Heat Shock Protein 60, GROEL protein, HUCHA60) gene, and the Major Epididymis-specific
 protein E4 precursor (HE4, Epididymis Secretory protein E4, WAP-type (Whey Acidic Protein) 'four-disulfide core'
 domain) gene. Contains ESTs, an STS, GSSs and a putative CpG island, complete sequence.//2.0e-35:213:89//
 AL031663

EP 1 074 617 A2

R-NT2RM4001582//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.//5.4e-60:558:77//AF071317
R-nnnnnnnnnnnn//M.musculus mRNA of enhancer-trap-locus 1.//4.8e-86:565:85//X69942
R-NT2RM4001594//Human interleukin-13 (IL-13) precursor gene, complete cds.//0.083:283:61//U31120
5 R-NT2RM4001597//HS_2059_A1_G11_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2059 Col=21 Row=M, genomic survey sequence.//4.4e-09:105:83//AQ245136
R-NT2RM4001605//Homo sapiens mRNA for KIAA0791 protein, complete cds.//6.7e-111:565:95//AB018334
R-NT2RM4001611//Homarus americanus ryanodine receptor (RyR) mRNA, partial cds.//1.0:364:61//AF051936
R-NT2RM4001629//RPC111-54G14.TJ RPC111 Homo sapiens genomic clone R-54G14, genomic survey sequence.//0.0018:347:61//AQ083173
10 R-NT2RM4001650
R-NT2RM4001662//Homo sapiens DNA sequence from PAC 159A15 on chromosome Xp11.21-p11.23. Contains inter-alpha-trypsin inhibitor heavy chain H3 precursor-like protein.//0.75:212:62//AL022575
R-NT2RM4001666//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-233A8, complete sequence.//2.6e-26:461:65//AC004685
15 R-NT2RM4001682//Human DNA sequence from clone 30M3 on chromosome 6p22.1-22.3. Contains three novel genes, one similar to C. elegans Y63D3.4 and one similar to (predicted) plant, worm, yeast and archaea bacterial genes, and the first exon of the KIAA0319 gene. Contains ESTs, GSSs and putative CpG islands, complete sequence.//1.5e-107:544:96//AL031775
20 R-NT2RM4001710//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 126A5, WORKING DRAFT SEQUENCE.//1.8e-110:580:95//AL031447
R-NT2RM4001714//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//3.1e-10:543:59//AC004153
R-nnnnnnnnnnnn//Human DNA sequence from clone 931K24 on chromosome 20p12 Contains ESTs and GSSs, complete sequence.//8.7e-111:577:94//AL034430
25 R-NT2RM4001731//Ovis aries dinucleotide repeat polymorphism at MAF92 locus.//0.017:93:73//M80527
R-NT2RM4001741//Mouse mRNA for talin.//2.4e-34:273:83//X56123
R-NT2RM4001746//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 316G12, WORKING DRAFT SEQUENCE.//1.7e-112:567:96//AL031709
30 R-NT2RM4001754//Homo sapiens PAC clone 248O15 from 13q12-q13, complete sequence.//1.4e-64:475:83//AC002483
R-NT2RM4001758//R.norvegicus mRNA for serine/threonine kinase MARK1.//1.9e-18:202:78//Z83868
R-NT2RM4001776//Homo sapiens mRNA for KIAA0727 protein, partial cds.//2.0e-22:236:80//AB018270
R-NT2RM4001783//Homo sapiens clone DJ0981O07, complete sequence.//4.4e-106:551:95//AC006017
35 R-NT2RM4001810//T28D3TF TAMU Arabidopsis thaliana genomic clone T28D3, genomic survey sequence.//0.76:279:60//B27099
R-NT2RM4001813
R-NT2RM4001823
R-NT2RM4001828//HS_3073_A2_E01_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3073 Col=2 Row=I, genomic survey sequence.//1.6e-46:255:96//AQ121030
40 R-NT2RM4001836//Sus scrofa microsatellite S0398 sequence.//9.4e-06:141:69//U78024
R-NT2RM4001841//Salmo salar microsatellite Ssa65 DNA.//1.5e-06:175:65//AF019184
R-NT2RM4001842//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//5.0e-07:332:61//AC005077
45 R-NT2RM4001856//Mus musculus clone OST16642, genomic survey sequence.//4.8e-30:235:85//AF046633
R-nnnnnnnnnnnn//Hs_3244_B1_F10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3244 Col=19 Row=L, genomic survey sequence.//3.0e-40:263:89//AQ252798
R-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC.//5.0e-119:592:97//Y17711
R-NT2RM4001876//Megastigmus wachtlit dinucleotide microsatellite, clone
50 MWA47CT.//0.13:134:64//AJ001069
R-NT2RM4001880
R-NT2RM4001905//HS_2016_B1_H11_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2016 Col=21 Row=P, genomic survey sequence.//0.0066:264:59//AQ226877
R-NT2RM4001922//HS_2228_B2_B07_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2228 Col=14 Row=D, genomic survey sequence.//2.5e-35:205:96//AQ065498
55 R-NT2RM4001930//Homo sapiens chromosome 17, clone hRPC.34_M_24, complete sequence.//0.26:325:63//AC004562
R-NT2RM4001938//Homo sapiens chromosome 17, clone hRPC.1081 P_3, complete sequence.//2.9e-85:421:

- 98//AC005207
 R-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds.//6.2e-109:556:95//AF098162
 R-NT2RM4001953//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 473B4, WORKING
 DRAFT SEQUENCE.//1.3e-08:175:70//Z83826
 5 R-NT2RM4001965//CIT-HSP-385N14.TR CIT-HSP Homo sapiens genomic clone 385N14, genomic survey se-
 quence.//5.7e-69:532:81//B55044
 R-nnnnnnnnnnnn//R.norvegicus mRNA for IP63 protein.//1.9e-61:352:83//X99330
 R-NT2RM4001979//Homo sapiens full-length insert cDNA clone ZD29F04.//1.1e-98:465:100//AF086241
 R-NT2RM4001984//Borrelia burgdorferi (section 47 of 70) of the complete genome.//0.14:461:60//AE001161
 10 R-NT2RM4001987
 R-NT2RM4002013
 R-NT2RM4002018
 R-NT2RM4002034//Homo sapiens chromosome 5, BAC clone 24p24 (LBNL H195), complete sequence.//3.6e-
 42:277:89//AC005353
 15 R-NT2RM4002044//Homo sapiens PAC clone DJ1102B04 from 7q11.23-7q21, complete sequence.//0.83:476:57//
 AC006204
 R-NT2RM4002054
 R-NT2RM4002062//Human microsomal epoxide hydrolase gene, exons 5 and 6.//0.11:136:67//U06659
 R-NT2RM4002063//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//2.9e-99:503:96//
 20 U82267
 R-nnnnnnnnnnnn//Homo sapiens CAGH45 mRNA, complete cds.//9.6e-41:554:68//U80742
 R-NT2RM4002067//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 329A5, WORKING
 DRAFT SEQUENCE.//7.7e-64:476:81//Z97832
 R-NT2RM4002073//Mus musculus fatty acid transport protein 3 mRNA, partial cds.//1.1e-33:238:85//AF072758
 25 R-NT2RM4002075//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING
 DRAFT SEQUENCE, 3 unordered pieces.//0.0031:403:57//AC005504
 R-NT2RM4002093//Human Chromosome 11 pac pDJ227b23, WORKING DRAFT SEQUENCE, 19 unordered
 pieces.//9.4e-07:322:62//AC000383
 R-nnnnnnnnnnnn//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds.//5.6e-44:432:74//
 30 D12646
 R-NT2RM4002128//Human HepG2 partial cDNA, clone hmd2e12m5.//2.0e-26:186:90//D17000
 R-NT2RM4002140
 R-NT2RM4002145//Homo sapiens full-length insert cDNA clone ZD38E12.//1.4e-15:193:76//AF086247
 R-NT2RM4002146//Human ABL gene, intron 1b, partial sequence.//0.66:170:63//U07562
 35 R-NT2RM4002161//Homo sapiens laforin (EPM2A) mRNA, partial cds.//4.5e-110:560:96//AF084535
 R-NT2RM4002174//Homo sapiens chromosome 17, clone hRPK.74_E_22, complete sequence.//8.0e-43:302:85//
 AC005696
 R-NT2RM4002189
 R-NT2RM4002194//Human Cosmid g5129g129 from 7q31.3, complete sequence.//0.29:382:60//AC003960
 40 R-NT2RM4002205//Spiroplasma virus (SpV1-R8A2 B) complete genome.//3.5e-05:432:56//X51344
 R-NT2RM4002213
 R-NT2RM4002226//Homo sapiens chromosome 17, clone HCIT187M2, complete sequence.//0.94:198:61//
 AC004448
 R-NT2RM4002251
 45 R-NT2RM4002256//Homo sapiens PAC clone DJ0570D02 from 7p13-p14, complete sequence.//2.3e-58:299:85//
 AC004837
 R-NT2RM4002266//H.sapiens CpG island DNA genomic MseI fragment, clone 179f11, forward read
 cpg179f11.ft1a.//0.72:97:69//Z57487
 R-NT2RM4002278//Homo sapiens clone RG140B11, WORKING DRAFT SEQUENCE, 1 unordered pieces.//7.5e-
 50 49:405:84//AC005069
 R-NT2RM4002281//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 702J19, WORKING
 DRAFT SEQUENCE.//1.7e-13:168:77//AL033531
 R-NT2RM4002287
 R-NT2RM4002294//Homo Sapiens Chromosome X clone bWXD171, WORKING DRAFT SEQUENCE, 1 ordered
 55 pieces.//0.98:208:65//AC004676
 R-NT2RM4002301//HS_2028_A1_E10_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=2028 Col=19 Row=I, genomic survey sequence.//0.94:321:57//AQ233262
 R-NT2RM4002323//Human DNA sequence from clone 59B16 on chromosome 6p22.1-22.3. Contains a pseudo-

- gene similar to GPIISG20 and other exonucleases). Contains ESTs, STSs, GSSs, genomic markers D6S1691 and D6S299 and a ca repeat polymorphism, complete sequence.//1.9e-35:265:84//AL032822
- R-nnnnnnnnnnnn/Human mRNA for KIAA0319 gene, complete cds.//2.4e-42:569:68//AB002317
- 5 R-NT2RM4002344//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.013:391:59//AC004709
- R-NT2RM4002373//Homo sapiens mRNA for KIAA0649 protein, complete cds.//8.6e-121:593:97//AB014549
- R-NT2RM4002374//Human DNA sequence from cosmid U131B10, between markers DXS366 and DXS87 on chromosome X contains XK membrane transport protein, ESTs and STS.//3.8e-44:258:86//Z73417
- 10 R-NT2RM4002383//Human Chromosome 15q26.1 PAC clone pDJ10k5 containing human DNA polymerase gamma (polg) gene, complete sequence.//0.00084:345:60//AC005316
- R-NT2RM4002390
- R-NT2RM4002409//RPC111-45M10.TK RPC111 Homo sapiens genomic clone R-45M10, genomic survey sequence.//0.99:151:66//AQ194411
- R-NT2RM4002438
- 15 R-NT2RM4002446//Human DNA sequence from clone 360A4 on chromosome 16. Contains ESTs, complete sequence.//2.8e-103:533:95//AL031008
- R-NT2RM4002452
- R-NT2RM4002457//Homo sapiens chromosome 16, cosmid clone 321D4 (LANL), complete sequence.//0.99:171:64//AC004034
- 20 R-NT2RM4002460//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs. Contains polymorphic CA repeat.//0.96:94:71//Z92545
- R-NT2RM4002479//Homo sapiens RNA helicase-related protein mRNA, complete cds.//2.9e-102:508:97//AF083255
- 25 R-NT2RM4002482//Homo sapiens mRNA for KIAA0691 protein, complete cds.//7.0e-31:172:98//AB014591
- R-NT2RM4002493//CIT-HSP-2296C24.TF CIT-HSP Homo sapiens genomic clone 2296C24, genomic survey sequence.//0.46:182:62//AQ006882
- R-NT2RM4002499//Human v-fos transformation effector protein (Fte-1), mRNA complete cds.//7.3e-24:134:99//M84711
- 30 R-NT2RM4002504//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1, 2, and 3, complete sequence.//3.9e-11:334:63//AC002368
- R-nnnnnnnnnnnn
- R-NT2RM4002532//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 341D10, WORKING DRAFT SEQUENCE.//3.4e-17:171:79//Z97985
- 35 R-NT2RM4002534
- R-NT2RM4002567//Homo sapiens chromosome 7 clone UWGC:g1564a040 from 7p14-15, complete sequence.//2.2e-26:181:76//AC005271
- R-NT2RM4002571
- R-NT2RM4002593//CIT-HSP-2303L15.TF CIT-HSP Homo sapiens genomic clone 2303L15, genomic survey sequence.//0.034:73:82//AQ015579
- 40 R-NT2RM4002623//Homo sapiens clone UWGC:g1564a209 from 7p14-15, complete sequence.//0.0014:670:55//AC005862
- R-NT2RP2000001//Plasmodium falciparum chromosome 2, section 59 of 73 of the complete sequence.//0.00087:251:59//AE001422
- 45 R-NT2RP2000006//Human DNA sequence from PAC 155D22 on chromosome 6q27. Contains EST, STSs and a GSS.//2.7e-37:259:86//Z97205
- R-NT2RP2000008//RPC111-41G16.TP RPC111 Homo sapiens genomic clone RPC111-41G16, genomic survey sequence.//4.1e-25:365:70//AQ029090
- R-NT2RP2000027//Homo sapiens chromosome 17, clone HCIT305D20, complete sequence.//6.0e-05:307:62//AC004098
- 50 R-NT2RP2000040//Homo sapiens mRNA for KIAA0747 protein, partial cds.//8.4e-41:223:96//AB018290
- R-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds.//5.8e-63:325:96//AF061749
- R-NT2RP2000054//Human tyrosinase gene, 5'-flanking region (containing enhancer element responsible for pigment cell-specific transcription).//0.88:210:60//D26163
- 55 R-NT2RP2000056//Mus musculus epsilon tyrosine phosphatase cytoplasmic isoform (Ptpre) mRNA, complete cds.//4.7e-38:377:78//U36758
- R-NT2RP2000067//Rat mRNA for growth potentiating factor, complete cds.//6.0e-10:137:79//D42148

EP 1 074 617 A2

R-NT2RP2000070//Homo sapiens chromosome 5, BAC clone 34j15 (LBNL H169), complete sequence//3.1e-76:381:98//AC005754
R-NT2RP2000076//Plasmodium falciparum chromosome 2, section 9 of 73 of the complete sequence//2.3e-06:380:60//AE001372
5 R-NT2RP2000077//Homo sapiens growth arrest specific 11 (GAS11) mRNA, complete cds//3.5e-77:379:97+++F050079
R-NT2RP2000079//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1125A11, WORKING DRAFT SEQUENCE//6.5e-32:314:78//AL034549
R-NT2RP2000088//Homo sapiens mRNA for KIAA0795 protein, partial cds//5.6e-74:378:96//AB018338
10 R-NT2RP2000091//Homo sapiens clone RG015P03, complete sequence//9.3e-21:226:76//AC005048
R-NT2RP2000097//Human DNA sequence from cosmid U209G1 on chromosome X//9.2e-40:278:81//Z68873
R-NT2RP2000098//Human BAC clone RG333F24 from 7q11.2-q21, complete sequence//0.34:132:65//AC004015
R-NT2RP2000108//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence//3.1e-09:259:67//AC003973
15 R-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds//1.8e-74:386:95//AB018356
R-NT2RP2000120//CITBI-E1-2503M8.TR CITBI-E1 Homo sapiens genomic clone 2503M8, genomic survey sequence//5.1e-05:87:77//AQ263909
R-nnnnnnnnnnnnn
R-nnnnnnnnnnnnn//Homo sapiens PAC clone DJ044L15 from Xq23, complete sequence//4.9e-11:153:69//AC004827
20 R-NT2RP2000147
R-NT2RP2000153//Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and ccr6 (ccr6) genes, complete cds, and lactoferrin (lactoferrin) gene, partial cds, complete sequence//0.0058:261:57//U95626
R-NT2RP2000157//Homo sapiens Chr.14 PAC RPC14-794B2 (Roswell Park Cancer Institute Human PAC Library) complete sequence//2.5e-119:603:96//AC005924
25 R-NT2RP2000161//CIT-HSP-2045P7.TR CIT-HSP Homo sapiens genomic clone 2045P7, genomic survey sequence//0.89:173:63//B79728
R-NT2RP2000175
R-NT2RP2000183
30 R-NT2RP2000195//Homo sapiens chromosome 17, clone hRPK.60_A_24, complete sequence//4.3e-39:306:83//AC005325
R-NT2RP2000205//Human DNA sequence from clone 302L24 on chromosome Xq21-22, complete sequence//7.5e-05:101:78//AL022155
R-NT2RP2000224//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-152E5, complete sequence//7.3e-55:306:94//AC004382
35 R-NT2RP2000232
R-NT2RP2000233//Mus musculus tumor metastasis associated gene product (MAG) mRNA, complete cds//7.6e-13:144:75//U88401
R-NT2RP2000239//Homo sapiens chromosome 4 clone B353C18 map 4q25, complete sequence//9.6e-63:410:86//AC004066
40 R-NT2RP2000248//Caenorhabditis elegans cosmid T01C8//1.0:282:58//U58726
R-NT2RP2000257//Homo sapiens PAC clone DJ0808G16 from 7q11.23-q21, complete sequence//2.5e-11:163:72//AC004894
R-NT2RP2000258//Arabidopsis thaliana chromosome II BAC T31E10 genomic sequence, complete sequence//0.58:442:58//AC004077
45 R-NT2RP2000270//Homo sapiens DNA sequence from PAC 97D16 on chromosome 6p21.3-22.2. Contains an unknown pseudogene, a 60S Ribosomal protein L24 (L30) LIKE pseudogene and histone genes H2BFC (H2B/c), H4FFP (H4/I pseudogene), H2AFC (H2A/c), H3F1K (H3.1/k) and a tRNA-Val pseudogene and tRNA-Thr gene. Contains ESTs, STSs, GSSs and genomic marker D6S464, complete sequence//1.1e-39:292:84//AL009179
50 R-NT2RP2000274//CIT-HSP-237901.TR CIT-HSP Homo sapiens genomic clone 237901, genomic survey sequence//6.9e-10:121:81//AQ109409
R-NT2RP2000288
R-NT2RP2000289
R-NT2RP2000297//Homo sapiens full-length insert cDNA clone ZB81C03//7.7e-109:519:99//AF086165
55 R-NT2RP2000298
R-NT2RP2000310//Homo sapiens p53 induced protein mRNA, partial cds//1.5e-38:224:93//AF010310
R-NT2RP2000327//Homo sapiens DNA sequence from PAC 434O14 on chromosome 1q32.3-.41. Contains the HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE

pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs, complete sequence.//4.3e-113:580:96//AL022398

R-NT2RP2000329//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3 unordered pieces.//7.4e-47:367:77//AC006039

R-NT2RP2000337//Anopheles quadrimaculatus NADH dehydrogenase subunits (1-4, 4L, 5-6); cytochrome oxidase subunits (1-3); adenosine triphosphatase subunits (6,8); cytochrome b; transfer RNA; ribosomal RNA (large and small subunits).//4.9e-08:494:58//L04272

R-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds.//3.4e-46:262:94//U83981

R-NT2RP2000369//Homo sapiens chromosome 17, clone HCIT169H9, WORKING DRAFT SEQUENCE, 6 unordered pieces.//3.0e-07:334:61//AC002993

R-NT2RP2000414//Mouse DNA sequence *** SEQUENCING IN PROGRESS *** from clone BAC394, WORKING DRAFT SEQUENCE.//7.0e-08:98:83//AJ004828

R-NT2RP2000420//Homo sapiens chromosome 17, clone hRPK.640_I_15, complete sequence.//0.99:150:62//AC005324

R-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//4.6e-19:142:90//AF102265

R-NT2RP2000438//RPC111-62113.TK RPC111 Homo sapiens genomic clone R-62113, genomic survey sequence.//3.1e-06:103:79//AQ199572

R-NT2RP2000448//Homo sapiens PAC clone DJ0740D02 from 7p14-p15, complete sequence.//2.0e-22:276:73//AC004691

R-NT2RP2000459//CIT-HSP-2013N9.TR CIT-HSP Homo sapiens genomic clone 2013N9, genomic survey sequence.//5.5e-27:205:87//B53940

R-NT2RP2000498//Homo sapiens Chromosome 11q23 PAC clone pDJ149k2 containing PLZF gene encoding kruppel-like zinc finger protein, complete sequence.//6.0e-12:119:84//AC001234

R-NT2RP2000503//Human CYP11B2 gene for steroid 18-hydroxylase (P-450 C18), 5'-flanking region and exon 1.//0.48:201:64//D10170

R-NT2RP2000510//Bactrocera dorsalis strain Tahiti mitochondrial D-loop region, complete sequence.//3.6e-07:472:59//AF033929

R-nnnnnnnnnnnnn

R-NT2RP2000523//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 150C2, WORKING DRAFT SEQUENCE.//2.3e-61:317:97//AL022318

R-NT2RP2000603//Homo sapiens mRNA for MCM3 import factor, complete cds.//6.6e-29:167:97//AB005543

R-NT2RP2000617

R-NT2RP2000634//Homo sapiens mRNA for KIAA0614 protein, partial cds.//2.5e-64:335:96//AB014514

R-NT2RP2000644//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs. Contains polymorphic CA repeat.//1.8e-28:383:70//Z92545

R-NT2RP2000656//Homo sapiens DNA sequence from PAC 874C20 on chromosome 6p22.1-22.3. Contains a Zinc Finger Protein ZFP47 LIKE gene, a Zinc Finger Protein pseudogene and a Zinc Finger Protein SRE-ZBP pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//0.0093:110:70//AL021997

R-NT2RP2000658//Bacillus thuringiensis chitinase (chi) gene, complete cds.//0.73:301:60//U89796

R-NT2RP2000668

R-NT2RP2000678//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 8/15, WORKING DRAFT SEQUENCE.//2.8e-11:256:66//AP000015

R-NT2RP2000710//Genomic sequence from Human 17, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.036:176:69//AC002346

R-NT2RP2000715//Homo sapiens PAC clone DJ1066K24 from 7p15, complete sequence.//2.7e-110:555:96//AC004540

R-NT2RP2000731//Human DNA sequence from clone 497J21 on chromosome 6q26-27. Contains a KOC (KH-domain containing transcript overexpressed in cancer) pseudogene, genomic marker D6S193, ESTs, STSs and GSSs, and a ca repeat polymorphism, complete sequence.//2.6e-18:319:68//AL023775

R-NT2RP2000758//CIT-HSP-507A14.TP CIT-HSP Homo sapiens genomic clone 507A14, genomic survey sequence.//1.0:189:60//B50590

R-NT2RP2000764

R-NT2RP2000809//Human BAC clone RG356F09 from 7p21, complete sequence.//1.7e-24:215:81//AC004002

R-NT2RP2000812//CIT-HSP-2281C3.TR CIT-HSP Homo sapiens genomic clone 2281C3, genomic survey se-

- quence.//9.5e-32:176:97//B99575
 R-nnnnnnnnnnnn//paramecium species 5.87 mt dna dimer: replication init. region.//0.0077:418:57//K00916
 R-NT2RP2000816//F.rubripes GSS sequence, clone 011H02aA6, genomic survey sequence.//0.61:52:73//AL011013
- 5 R-NT2RP2000819
 R-NT2RP2000841//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 43408, WORKING DRAFT SEQUENCE.//0.00012:181:70//AL033504
 R-NT2RP2000842//Mus musculus (C57BL/10 X C3H)F2 clone 4.9 novel mRNA from reninexpressing kidney tumor cell line, partial sequence.//3.7e-27:388:72//U13370
- 10 R-NT2RP2000845//Homo sapiens chromosome 17, clone hRPK.849_N_15, complete sequence.//0.0022:200:68//AC005703
 R-NT2RP2000863
 R-NT2RP2000880//Homo sapiens mRNA for putative GTP-binding protein, partial.//2.3e-43:279:89//AJ006412
 R-NT2RP2000892//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epithelium cancer, segment 7/10.//0.0028:221:62//AB020875
- 15 R-NT2RP2000931//Homo sapiens mRNA for KIAA0723 protein, complete cds.//2.2e-55:290:96//AB018266
 R-NT2RP2000938//Homo sapiens full-length insert cDNA clone ZD55G12.//2.1e-37:215:93//AF086336
 R-NT2RP2000943//Homo sapiens mRNA for KIAA0755 protein, complete cds.//3.0e-96:494:96//AB018298
 R-NT2RP2000965
- 20 R-NT2RP2000970//Homo sapiens DNA sequence from BAC 747E2 on chromosome 22q12.1. Contains ESTs, STSs and GSSs and genomic marker D22S56, complete sequence.//4.5e-87:440:97//AL021393
 R-NT2RP2000985//Homo sapiens chromosome 17, clone hRPK.597_M_12, complete sequence.//5.4e-93:484:95//AC005277
 R-NT2RP2000987//Plasmodium falciparum chromosome 2, section 9 of 73 of the complete sequence.//2.1e-06:318:62//AE001372
- 25 R-NT2RP2001036//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 41018, WORKING DRAFT SEQUENCE.//2.0e-24:273:73//AL031732
 R-NT2RP2001044//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//3.3e-07:365:65//AC005140
- 30 R-NT2RP2001065//Caenorhabditis elegans cosmid F10G7.//9.2e-06:273:59//U40029
 R-NT2RP2001070//CITBI-E1-2503F4.TF CITBI-E1 Homo sapiens genomic clone 2503F4, genomic survey sequence.//0.13:97:72//AQ265973
 R-NT2RP2001094//Mycoplasma mycoides mycoides SC immunodominant protein P72 (p72) gene, complete cds, mannitol-1-phosphate dehydrogenase (mt1D) gene, partial cds and insertion sequence IS1296, complete sequence.//0.018:373:57//U61140
- 35 R-NT2RP2001119
 R-NT2RP2001127//Homo sapiens HRIHFB2060 mRNA, partial cds.//4.5e-55:304:94//AB015348
 R-NT2RP2001137//Homo sapiens DNA sequence from clone 511B24 on chromosome 20q11.2-12. Contains the TOP1 gene for Topoisomerase I, the PLCG1 gene for 1-Phosphatidylinositol-4,5-Bisphosphate Phosphodiesterase Gamma 1 (EC 3.1.4.11, PLC-Gamma-1, Phospholipase C-Gamma-1 PLC-II, PLC-148), the KIAA0395 gene for a probable Zinc Finger Homeobox protein and a 60S Ribosomal Protein L23 LIKE pseudogene. Contains a predicted CpG island, ESTs, STSs and GSSs, complete sequence.//0.69:129:65//AL022394
- 40 R-NT2RP2001149//Sequence 5 from Patent US 4798885.//8.5e-28:322:77//I01838
 R-NT2RP2001168
 R-NT2RP2001173//Homo sapiens mRNA for KIAA0480 protein, complete cds.//4.8e-95:490:96//AB 007949
 R-NT2RP2001174//CIT-HSP-2170B18.TR CIT-HSP Homo sapiens genomic clone 2170B18, genomic survey sequence.//1.3e-33:204:93//B89680
- 45 R-NT2RP2001196//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-65, complete sequence.//1.7e-06:413:61//AL010134
- 50 R-NT2RP2001218//Human DNA sequence from clone 23K20 on chromosome Xq25-26.2 Contains EST, STS, GSS, complete sequence.//8.5e-15:278:68//AL022153
 R-NT2RP2001226//Human DNA sequence from clone 1170D6 on chromosome Xq22.3-23. Contains a pseudogene similar to U-SNRNP associated Cyclophilin (USA-CYP, EC 5.2.1.8), ESTs, an STS and a GSS, complete sequence.//0.0020:462:57//AL030995
- 55 R-NT2RP2001233//CIT-HSP-2356P23.TR CIT-HSP Homo sapiens genomic clone 2356P23, genomic survey sequence.//8.0e-108:547:96//AQ081110
 R-NT2RP2001245//Spodoptera frugiperda 16S rRNA gene, Val-tRNA, and Leu-tRNA genes, and ND-1 protein gene, 5' end.//0.0052:350:58//M76713

- R-NT2RP2001268//Homo sapiens mRNA for KIAA0810 protein, partial cds.//4.6e-111:544:97//AB018353
 R-NT2RP2001277//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y59A8, WORKING DRAFT SEQUENCE.//0.0058:327:59//Z98870
 R-NT2RP2001290//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.96:187:65//AC004709
 5 R-NT2RP2001295//Homo sapiens BAC clone NH0491B03 from 7p21-p15, complete sequence.//0.59:218:62//AC006041
 R-NT2RP2001312//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 349A12, WORKING DRAFT SEQUENCE.//0.12:117:64//AL033520
 10 R-NT2RP2001327//Caenorhabditis elegans cosmid R04D3, complete sequence.//0.31:119:66//Z70212
 R-NT2RP2001328//HS_2213_A1_D07_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2213 Col=13 Row=G, genomic survey sequence.//1.7e-22:200:83//AQ136874
 R-NT2RP2001347//Plasmodium falciparum MAL3P8, complete sequence.//0.81:509:56//AL034560
 R-NT2RP2001378//H.sapiens DNA sequence.//0.94:147:63//Z22404
 15 R-NT2RP2001381//Homo sapiens cyclin E2 mRNA, complete cds.//3.2e-09:75:97//AF091433
 R-NT2RP2001392//Myxococcus xanthus ATP-dependent protease (bsgA) gene, complete cds.//0.079:178:62//L19301
 R-NT2RP2001394//Human DNA sequence from PAC 389A20 on chromosome X contains ESTs STS, CpG islands and polymorphic CA repeat.//3.4e-60:351:90//Z93242
 20 R-NT2RP2001397//Hamster mRNA for cyclinB2, complete cds.//5.4e-55:320:83//D17294
 R-NT2RP2001420//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1108D11, WORKING DRAFT SEQUENCE.//1.0e-44:246:85//AL034419
 R-NT2RP2001423//Human DNA sequence from clone 726F20 on chromosome 1p36.11-36.23. Contains ESTs and a GSS, complete sequence.//3.7e-05:417:61//AL031273 R-NT2RP2001427//Human Chromosome 11 Cosmid cSRL34e5, complete sequence.//0.94:287:59//U73643
 25 R-NT2RP2001436//Mus musculus clone OST1784, genomic survey sequence.//5.2e-31:299:77//AF046702
 R-NT2RP2001440//Rattus norvegicus mRNA for 14-3-3 protein gamma-subtype, complete cds.//7.8e-75:548:83//D17447
 R-NT2RP2001445//Homo sapiens 12q13.1 PAC RPC11-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//1.0e-06:452:59//AC004801
 30 R-NT2RP2001449//Homo sapiens clone DJ0647C14, WORKING DRAFT SEQUENCE, 21 unordered pieces.//5.1e-08:218:67//AC004846
 R-NT2RP2001450
 R-NT2RP2001467//Human BAC clone RG343P13 from 7q31, complete sequence.//3.8e-31:254:83//AC002465
 35 R-NT2RP2001506//C.baratii p-47, ntth, bonT genes.//1.2e-06:415:60//Y12091
 R-NT2RP2001511//Plasmodium falciparum MAL3P7, complete sequence.//0.11:155:63//AL034559
 R-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1.//2.1e-104:545:95//Y14494
 R-NT2RP2001526//Homo sapiens chromosome 17, clone hCIT.175_E_5, complete sequence.//7.0e-16:283:68//AC004596
 40 R-NT2RP2001536//Human DNA from chromosome 14-specific cosmid containing XRCC3 DNA repair gene, genomic sequence, complete sequence.//7.7e-16:108:96//AF037222
 R-NT2RP2001560//CIT978SK-A-56H4.TP CIT978SK Homo sapiens genomic clone A-56H4, genomic survey sequence.//0.052:112:66//B73597
 R-NT2RP2001569//CIT-HSP-2335F8.TF CIT-HSP Homo sapiens genomic clone 2335F8, genomic survey sequence.//6.0e-78:383:98//AQ042029
 45 R-NT2RP2001576//Homo sapiens sulfonylurea receptor (SUR2) gene, exon 37.//0.33:135:66//AF061322
 R-NT2RP2001581//Homo sapiens (clone MFD220) PCR primer.//2.7e-07:240:63//L15407
 R-NT2RP2001597//HS_3016_B2_F06_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3016 Col=12 Row=L, genomic survey sequence.//5.3e-45:310:87//AQ118854
 50 R-NT2RP2001601//Homo sapiens chromosome 17, clone hRPK.855_D_21, complete sequence.//0.015:445:58//AC006079
 R-NT2RP2001613//Mus musculus orphan nuclear hormone receptor (CAR) gene, complete sequence.//3.5e-16:413:63//AF009326
 R-NT2RP2001628//Phytomonas serpens kinetoplast maxicircle ribosomal protein S12 (G6) edited mRNA, complete cds.//0.11:190:63//AF034626
 55 R-NT2RP2001663//Homo sapiens Chromosome 16 BAC clone CIT987SK-625P11, complete sequence.//3.0e-26:157:81//AC004125
 R-NT2RP2001677//Homo sapiens chromosome 9, P1 clone 11659, complete sequence.//3.0e-58:305:96//

AC004472

R-NT2RP2001678//Human BAC clone RG222A16 from 7q31, complete sequence.//0.95:107:66//AC002385

R-NT2RP2001699//Mus musculus erythroid ankyrin and two alternatively spliced erythroid ankyrins (Ank1) gene, putative exon 41 and partial cds.//8.8e-05:211:63//U76758

R-NT2RP2001720//Homo sapiens PAC clone DJ0167F23 from 7p15, complete sequence.//4.7e-68:352:97//AC004079

R-NT2RP2001721//HS-1052-B1-G06-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 774 Col=11 Row=N, genomic survey sequence.//7.7e-05:346:59//B40914

R-NT2RP2001740//HS_3213_A2_D02_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3213 Col=4 Row=G, genomic survey sequence.//1.1e-16:162:82//AQ175104

R-NT2RP2001748//Human gene for L-histidine decarboxylase, complete cds.//2.0e-33:312:77//D16583

R-NT2RP2001762//Homo sapiens chromosome 1, BAC CIT-HSP-292g8 (BC262482), complete sequence.//2.3e-100:435:97//AC004783

R-NT2RP2001813//Human leukocyte common antigen T200 (CD45, LCA) gene, exon 9.//0.031:261:60//M23468

R-NT2RP2001861

R-NT2RP2001869//Sequence 5 from patent US 5595900.//4.2e-21:194:77//I34189

R-NT2RP2001876

R-NT2RP2001883//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island, complete sequence.//5.0e-111:485:97//AL031864

R-NT2RP2001900

R-NT2RP2001907//Human proto-oncogene tyrosine-protein kinase (ABL) gene, exon 1a and exons 2-10, complete cds.//5.4e-42:382:77//U07563

R-NT2RP2001926//HS_3180_B2_F02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3180 Col=4 Row=L, genomic survey sequence.//2.8e-25:138:80//AQ185415

R-NT2RP2001936//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.0:320:60//AC005504

R-NT2RP2001943//Dictyostelium discoideum PkgA (pkgA) gene, partial cds.//1.4e-08:378:59//AF020280

R-NT2RP2001946//Homo sapiens clone NH0140K04, complete sequence.//3.6e-85:409:100//AC005033

R-NT2RP2001947//Human mRNA for KIAA0390 gene, complete cds.//0.85:140:64//AB002388

R-NT2RP2001969

R-NT2RP2001976//CIT-HSP-2281C3.TR CIT-HSP Homo sapiens genomic clone 2281C3, genomic survey sequence.//2.0e-60:307:98//B99575

R-NT2RP2001985//Arabidopsis thaliana DNA chromosome 4, BAC clone F1N20 (ESSAII project).//0.031:282:61//AL022140

R-NT2RP2002025

R-NT2RP2002032//CITBI-E1-2502C19.TF CITBI-E1 Homo sapiens genomic clone 2502C19, genomic survey sequence.//1.2e-52:285:95//AQ264715

R-NT2RP2002033//Human (lambda) DNA for immunoglobulin light chain.//1.1e-08:389:61//D88270

R-NT2RP2002041//Homo sapiens 12p13.3 BAC RPC111-319E16 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//1.1e-49:264:97//AC006206

R-NT2RP2002046//Human BAC clone GS119P05 from 7q21, complete sequence.//0.0023:429:61//AC004011

R-NT2RP2002047//P.falciparum PK1 gene.//0.00015:239:62//X83707

R-NT2RP2002058//HS_2183_A1_G01_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2183 Col=1 Row=M, genomic survey sequence.//1.2e-21:185:84//AQ022560

R-NT2RP2002066//G.gallus microsatellite DNA (LEI0222 (=T15ivD04)).//0.18:102:70//Z83792

R-NT2RP2002070//P.falciparum major merozoite surface antigen (PMMSA) mRNA, complete cds, isolate FC27.//0.95:192:61//M19143

R-NT2RP2002076//Homo sapiens clone 24804 mRNA sequence.//3.8e-25:182:86//AF052183

R-NT2RP2002079//Human DNA sequence from clone 431P23 on chromosome 6q27. Contains the first coding exon of the MLLT4 gene for myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (AF-6, Afadin, MLLT-4, ALL-1 fusion partner), and a Serine Palmitoyltransferase 2 (EC 2.3.1.50, Long Chain Base Biosynthesis protein 2, LCB-2, SPT-2) pseudogene. Contains ESTs, STss, GSSs, and a putative CpG island, complete sequence.//1.7e-10:97:90//AL009178

R-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein.//4.6e-59:376:89//AJ007509

R-NT2RP2002105

R-NT2RP2002124//RPC111-75J16.TJ RPC111 Homo sapiens genomic clone R-75J16, genomic survey sequence.//0.58:191:64//AQ266779

- R-NT2RP2002137//Homo sapiens Xp22-175-176 BAC GSHB-484O17 (Genome Systems Human BAC Library) complete sequence.//0.0065:294:61//AC005913
- R-NT2RP2002154
- 5 R-NT2RP2002172//RPC111-90C20.TJ RPC111 Homo sapiens genomic clone R-90C20, genomic survey sequence.//0.049:160:65//AQ282591
- R-NT2RP2002185//CIT-HSP-2341115.TF CIT-HSP Homo sapiens genomic clone 2341115, genomic survey sequence.//6.0e-36:230:90//AQ053355
- R-NT2RP2002192//HS_2222_B1_F08_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2222 Col=15 Row=L, genomic survey sequence.//1.9e-15:249:71//AQ178491
- 10 R-NT2RP2002193//Rattus norvegicus potassium channel regulatory protein KChAP mRNA, complete cds.//4.7e-35:438:73//AF032872
- R-NT2RP2002208//Hansenula wingei mitochondrial DNA, complete sequence.//0.00057:468:57//D31785
- R-NT2RP2002219//HS_2058_A1_C09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2058 Col=17 Row=E, genomic survey sequence.//3.4e-55:512:77//AQ234380
- 15 R-NT2RP2002231//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-31, complete sequence.//1.5e-06:398:61//Z98557
- R-ntnnnnnnnnnn/Sequence 11 from patent US 5624818.//3.3e-91:553:87//I41141
- R-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds.//3.0e14:132:84//AF005418
- R-NT2RP2002259//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 118J21, WORKING DRAFT SEQUENCE.//1.6e-96:548:91//AL033527
- 20 R-NT2RP2002270//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//5.1e-06:391:60//AC004605
- R-NT2RP2002292//Genomic sequence from Human 13, complete sequence.//0.91:159:64//AC001226
- R-NT2RP2002312//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds.//1.3e-101:527:94//AF069532
- 25 R-NT2RP2002316//Plasmodium falciparum chromosome 2, section 45 of 73 of the complete sequence.//0.00052:389:59//AE001408
- R-NT2RP2002325//Homo sapiens peroxisomal biogenesis factor (PEX11a) mRNA, complete cds.//2.3e-112:567:95//AF093668
- 30 R-NT2RP2002333//Rat POU domain factor (Brn-5) mRNA.//1.5e-22:323:73//L23204
- R-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds.//3.7e-102:600:89//AF038958
- R-NT2RP2002394//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.039:399:59//AC005308
- 35 R-NT2RP2002408//HS_2212_A1_E09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2212 Col=17 Row=I, genomic survey sequence.//9.6e-35:231:88//AQ184632
- R-NT2RP2002426//Human DNA sequence from clone 101G11 on chromosome 22q12. Contains an ACO2 (Mitochondrial Aconitate Hydratase (Aconitase, Citrate Hydro-Lyase, EC 4.2.1.3)) pseudogene, ESTs, STSs, GSSs and a putative CpG island, complete sequence.//2.8e-39:308:82//AL021877
- 40 R-NT2RP2002439//Leishmania tarentolae mitochondrial electron transport chain component mRNA.//0.022:102:71//M74225
- R-NT2RP2002457//Homo sapiens DNA sequence from PAC 142L7 on chromosome 6q21. Contains a Laminin Alpha 4 (LAMA4) LIKE gene coding for two alternatively spliced transcripts, a Tubulin Beta LIKE pseudogene, a Connective tissue growth factor (NOV, GIG) LIKE gene, A predicted CpG island, ESTs, STSs and genomic marker D6S416, complete sequence.//0.00099:354:59//Z99289
- 45 R-NT2RP2002464//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 6/15, WORKING DRAFT SEQUENCE.//0.0015:219:67//AP000013
- R-NT2RP2002475
- 50 R-ntnnnnnnnnnn/Homo sapiens mRNA for ABC transporter 7 protein, complete cds.//3.1e-113:605:92//AB005289
- R-NT2RP2002498//Human DNA sequence from PAC 162H14 on chromosome 22. Contains 3' part of a FIBULIN 1 like gene and ESTs, complete sequence.//0.32:210:64//Z98047
- R-NT2RP2002503//Homo sapiens, clone hRPK.15_A_1, complete sequence.//4.0e-86:429:98//AC006213
- R-NT2RP2002504//Homo sapiens mRNA for KIAA0791 protein, complete cds.//2.7e-105:583:91//AB018334
- 55 R-NT2RP2002520//Saccharomyces cerevisiae mitochondrial tRNA-Tyr, tRNA-Asn, & amp; tRNA-Met genes.//0.14:406:58//AJ223323
- R-NT2RP2002537//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 500L14, WORKING DRAFT SEQUENCE.//2.8e-16:188:78//AL023583

- R-NT2RP2002546//Homo sapiens clone TUA8 Cri-du-chat region mRNA//4.7e-108:571:93//AF009314
 R-NT2RP2002549//Human Chromosome 15q26.1 PAC clone pDJ10k5 containing human DNA polymerase gamma (polg) gene, complete sequence//1.1e-103:422:95//AC005316
 R-NT2RP2002591//Human DNA binding protein (HPF2) mRNA, complete cds//1.8e-36:526:67//M27878
- 5 R-NT2RP2002595
 R-NT2RP2002606//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 2705, WORKING DRAFT SEQUENCE//7.2e-10:211:71//AL033529
 R-NT2RP2002609
 R-NT2RP2002618//Plasmodium falciparum MAL3P6, complete sequence//2.9e-05:566:60//Z98551
- 10 R-NT2RP2002621//Human DNA sequence from PAC 341110 on chromosome 6q22.2-22.33. Contains 60S ribosomal protein L5 like (pseudo)gene, ESTs and STSs//1.1e-38:348:78//Z97352
 R-NT2RP2002643//Homo sapiens chromosome 11 clone pTWB15.28 map 11p15.4-p15.5, genomic survey sequence//1.2e-35:414:66//AF074030
 R-NT2RP2002672//Homo sapiens chromosome 10 clone CIT-HSP-1326H7 map 10q24.3-10q25.1, complete sequence//1.3e-77:403:95//AC005384
- 15 R-NT2RP2002701
 R-NT2RP2002706//Homo sapiens chromosome 19, cosmid F22676, complete sequence//4.0e-42:147:90//AC005778
 R-NT2RP2002710//P.falciparum serine rich protein (SERP I) gene//0.84:135:67//J03983
 R-NT2RP2002727//, complete sequence//1.0:363:59//AC005815
 R-NT2RP2002736//Arabidopsis thaliana chromosome II BAC T17M13 genomic sequence, complete sequence//0.44:267:60//AC004138
 R-NT2RP2002740//Homo sapiens Xp22 BAC GSHB-600G8 (Genome Systems Human BAC library) complete sequence//0.0016:474:60//AC004674
- 25 R-NT2RP2002741//HS_3051_B1_H11_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3051 Col=21 Row=P, genomic survey sequence//1.1e-38:217:86//AQ106283
 R-NT2RP2002750//Homo sapiens 12q24.1 PAC RPCI1-315L5 (Roswell Park Cancer Institute Human PAC library) complete sequence//5.0e-36:430:75//AC002395
 R-NT2RP2002752//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 366L4, WORKING DRAFT SEQUENCE//8.2e-41:437:76//AL023494
 R-NT2RP2002753//Homo sapiens clone DJ076B20, WORKING DRAFT SEQUENCE, 6 unordered pieces//6.8e-100:496:97//AC004882
 R-NT2RP2002769//paramecium species 5,311 mt dna dimer: replication init. region//7.4e-10:404:60//K00917
 R-NT2RP2002778//Homo sapiens clone 24606 mRNA sequence//1.2e-63:341:94//AF070537
- 35 R-NT2RP2002800//RPCI11-37G8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-37G8, genomic survey sequence//4.9e-60:321:95//AQ029850
 R-NT2RP2002839//Homo sapiens Chromosome 11q12.2 PAC clone pDJ688p12 containing uteroglobin gene, WORKING DRAFT SEQUENCE, 11 unordered pieces//2.9e-100:492:98//AC006078
 R-NT2RP2002857//HS_3026_B2_H07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3026 Col=14 Row=P, genomic survey sequence//8.9e-06:242:62//AQ 128697
 R-NT2RP2002862//RPCI11-42I15.TJ RPCI11 Homo sapiens genomic clone R-42I15, genomic survey sequence//1.5e-44:270:85//AQ052700
 R-NT2RP2002880//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 150C2, WORKING DRAFT SEQUENCE//1.0:295:58//AL022318
- 45 R-NT2RP2002891
 R-NT2RP2002925//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 243L18, WORKING DRAFT SEQUENCE//2.0e-24:395:67//AL034395
 R-NT2RP2002928//Plasmodium falciparum MAL3P5, complete sequence//0.044:461:55//AL034556
 R-NT2RP2002929//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces//0.35:491:56//AC005140
- 50 R-NT2RP2002954//Homo sapiens chromosome 17, clone hRPK.628_E_12, complete sequence//1.0:275:61//AC005701
 R-NT2RP2002959//Mus musculus ubiquitin conjugating enzyme (ubc4) mRNA, complete cds//2.7e-61:508:79//U62483
- 55 R-NT2RP2002979//RPCI11-20F13.TPK RPCI-11 Homo sapiens genomic clone RPCI-11-20F13, genomic survey sequence//0.88:110:72//AQ008132
 R-NT2RP2002980//Homo sapiens PAC clone DJ0841B21 from 7q21.1-q31.1, complete sequence//1.1e-102:433:95//AC004140

- R-NT2RP2002986//Human DNA sequence from clone 1147O16 on chromosome Xp21.1-21.3. Contains 13 exons of the DMD muscular dystrophy gene. Contains an STS and GSSs, complete sequence.//0.31:219:62//AL031542
- R-NT2RP2002987//Homo sapiens chromosome 18, clone hRPK.24_A_23, complete sequence.//1.3e-51:283:88//AC005968
- 5 R-NT2RP2002993//Human DNA sequence from PAC 106B9 on chromosome Xq21.//4.3e-11:430:63//AL021307
- R-NT2RP2003000//Saccharomyces cerevisiae mitochondrion transfer RNA- Leu, Gln, Lys, Arg, Gly, Asp, Ser2, Arg2, Ala, Ile, Tyr, Asn genes.//0.00088:347:62//L36887
- R-NT2RP2003034//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epithelium cancer, segment 2/10.//3.5e-33:271:82//AB020870
- 10 R-NT2RP2003073
- R-NT2RP2003099//Homo sapiens PAC clone DJ0886O08 from 7q32-q35, complete sequence.//1.5e-45:548:69//AC004914
- R-NT2RP2003108
- R-NT2RP2003117//Homo sapiens clone DJ1137M13, complete sequence.//2.0e-51:323:88//AC005378
- 15 R-NT2RP2003121//HS_2238_A1_E08_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2238 Col=15 Row=I, genomic survey sequence.//0.00055:324:61//AQ293058
- R-NT2RP2003125
- R-NT2RP2003129
- R-NT2RP2003137//Human BAC clone RG084D04 from 7q31, complete sequence.//1.1e-46:521:74//AC003084
- 20 R-NT2RP2003161//Homo sapiens chromosome 10 clone CIT-HSP-1287C20, complete sequence.//1.0:368:59//AC005879
- R-NT2RP2003164//Dictyostelium discoideum actin 4 gene, 3' UTR.//1.0:120:64//M25581
- R-NT2RP2003165//Homo sapiens chromosome 17, clone hRPK.1018_N_14, complete sequence.//2.2e-71:467:86//AC005823
- 25 R-NT2RP2003177
- R-NT2RP2003194//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 996D20, WORKING DRAFT SEQUENCE.//1.1e-95:585:88//AL031597
- R-NT2RP2003206//P.falciparum interspersed repeat antigen (FIRA) gene.//0.039:338:60//M17877
- R-NT2RP2003230//Plasmodium falciparum MAL3P6, complete sequence.//1.9e-11:542:60//Z98551
- 30 R-NT2RP2003237//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MDH9, complete sequence.//1.0:311:60//AB016888
- R-NT2RP2003243//CIT-HSP-2368D12.TR CIT-HSP Homo sapiens genomic clone 2368D12, genomic survey sequence.//0.39:112:66//AQ077738
- R-NT2RP2003265//Muridae sp. (mouse-rat, neuroblastoma-glioma hybrid cell line NGD5) mRNA, complete cds.//1.3e-38:273:83//L38481
- 35 R-NT2RP2003272//Homo sapiens clone UWGC:y17c131 from 6p21, complete sequence.//4.4e-15:181:66//AC004187
- R-NT2RP2003277//Homo sapiens mRNA for KIAA0625 protein, partial cds.//4.2e-110:565:95//AB014525
- R-NT2RP2003280//Homo sapiens 12p13.3 PAC RPCI5-1180D12 (Roswell Park Cancer Institute Human PAC Library) complete sequence.//3.2e-12:221:70//AC005831
- 40 R-NT2RP2003286//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence.//0.86:379:60//AC005261
- R-NT2RP2003293//Homo sapiens clone RG252P22, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.0e-39:418:74//AC005079
- 45 R-NT2RP2003295//HS_2053_B1_A10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2053 Col=19 Row=B, genomic survey sequence.//0.0016:346:61//AQ235251
- R-NT2RP2003297//Arabidopsis thaliana chromosome II BAC F4P9 genomic sequence, complete sequence.//0.74:397:56//AC002332
- R-NT2RP2003308//Homo sapiens PAC clone DJ1098B01 from 7q11.23-q21, complete sequence.//0.99:447:60//AC004960
- 50 R-NT2RP2003329//C.reinhardtii psbB 5' flanking region.//0.79:161:59//X59731
- R-NT2RP2003339//RPCI11-57H15.TK RPCI11 Homo sapiens genomic clone R-57H15, genomic survey sequence.//0.13:184:64//AQ116039
- R-NT2RP2003347//RPCI11-15B19.TV RPCI-11 Homo sapiens genomic clone RPCI-11-15B19, genomic survey sequence.//6.4e-31:218:89//B76357
- 55 R-NT2RP2003367//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence.//9.0e-11:101:84//U91321
- R-NT2RP2003391//HS_2255_B2_B04_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-

nomic clone Plate=2255 Col=8 Row=D, genomic survey sequence.//1.6e-38:247:90//AQ068937
 R-NT2RP2003393//RPC111-44K6.TJ RPC111 Homo sapiens genomic clone R-44K6, genomic survey sequence.//
 3.9e-31:290:79//AQ0202481
 R-NT2RP2003394//Yeast mitochondrial oxi3 gene exon 1 for cytochrome c oxidase subunit I.//5.1e-14:579:61//
 5 X14910
 R-NT2RP2003401//Caprine arthritis-encephalitis virus tat protein (tat) and envelope glycoprotein (env) gene, par-
 tial cds.//0.32:174:66//U81429
 R-NT2RP2003433//Ascidian mRNA for HRSec61, complete cds.//1.5e-10:193:69//D25536
 R-NT2RP2003445//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y313F4, WORKING
 10 DRAFT SEQUENCE.//4.4e-99:585:89//AL023808
 R-NT2RP2003446
 R-NT2RP2003456//Plasmodium falciparum MAL3P7, complete sequence.//0.98:399:57//AL034559
 R-NT2RP2003480//Homo sapiens full-length insert cDNA clone ZE09A11.//4.7e-111:540:98//AF086540
 R-NT2RP2003499
 15 R-NT2RP2003506
 R-NT2RP2003511
 R-NT2RP2003513//Human mRNA for KIAA0270 gene, partial cds.//4.1e-107:566:93//D87460
 R-NT2RP2003517//Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds.//1.5e-60:
 518:79//M12783
 20 R-NT2RP2003522//HS_2182_A1_D05_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=2182 Col=9 Row=G, genomic survey sequence.//0.053:251:60//AQ024304
 R-NT2RP2003533//Homo sapiens chromosome 12p13.3 clone RPC14-816N1, WORKING DRAFT SEQUENCE,
 31 unordered pieces.//1.5e-37:328:80//AC005841
 R-NT2RP2003543//HS_3028_A2_C12_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 25 nomic clone Plate=3028 Col=24 Row=E, genomic survey sequence.//2.0e-39:203:100//AQ094957
 R-NT2RP2003559//Homo sapiens full-length insert cDNA clone ZD65E09.//2.3e-59:325:95//AF088055
 R-NT2RP2003564
 R-NT2RP2003581
 R-NT2RP2003596//HS_2163_B1_D11_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 30 nomic clone Plate=2163 Col=21 Row=H, genomic survey sequence.//0.0011:212:67//AQ125143
 R-NT2RP2003604//Homo sapiens alpha-catenin-like protein mRNA, complete cds.//5.4e-102:501:97//U97067
 R-NT2RP2003629//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING
 DRAFT SEQUENCE, 9 unordered pieces.//0.0012:363:61//AC005507
 R-NT2RP2003643//Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.//5.1e-37:561:68//
 35 AJ006215
 R-NT2RP2003668//Human DNA sequence from PAC 24608, between markers DXS6791 and DXS8038 on chro-
 mosome X contains ESTs.//0.0053:395:58//Z76735
 R-NT2RP2003687//Human BAC clone RG222A16 from 7q31, complete sequence.//8.0e-10:205:67//AC002385
 R-NT2RP2003691//HS_3252_A2_A11_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 40 nomic clone Plate=3252 Col=22 Row=A, genomic survey sequence.//5.3e-05:332:60//AQ219783
 R-NT2RP2003702//CIT-HSP-2333P5.TF CIT-HSP Homo sapiens genomic clone 2333P5, genomic survey se-
 quence.//3.9e-43:431:75//AQ035000
 R-NT2RP2003704
 R-NT2RP2003706//Homo sapiens mRNA for KIAA0525 protein, partial cds.//2.6e-45:265:93//AB011097
 45 R-NT2RP2003713//Human DNA sequence from PAC 411B6 on chromosome X *.//0.64:169:67//Z84470
 R-NT2RP2003714//Human DNA sequence from 4PTTEL, Huntington's Disease Region, chromosome 4p16.3.//
 4.6e-11:152:73//295704
 R-NNNNNNNNNN//H.sapiens mRNA for PIBF1 protein, complete.//0.94:443:59//Y09631
 R-NT2RP2003737//Homo sapiens clone DJ1022114, WORKING DRAFT SEQUENCE, 14 unordered pieces.//
 50 2.2e-109:547:96//AC004951
 R-NT2RP2003751//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-427H10, complete sequence.//4.1e-
 109:545:97//AC004626
 R-NT2RP2003760//B. taurus mRNA for gamma-COP.//6.3e-28:400:69//X70019
 R-NT2RP2003764//Mouse preprosomatostatin gene.//0.90:285:62//X51468
 55 R-NT2RP2003769//Schizosaccharomyces pombe gene for protein involved in sexual development, complete
 cds.//0.96:446:58//D87956
 R-NT2RP2003770//Homo sapiens sperm acrosomal protein mRNA, complete cds.//1.8e-104:531:96//AF047437
 R-NT2RP2003777

EP 1 074 617 A2

R-NT2RP2003781//HS_3109_B1_B04_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3109 Col=7 Row=D, genomic survey sequence.//1.3e-60:346:92//AQ186749
R-NT2RP2003793
R-NT2RP2003840
5 R-NT2RP2003857//HS_2205_A2_H12_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2205 Col=24 Row=O, genomic survey sequence.//8.1e-22:127:99//AQ151299
R-NT2RP2003859//RPCI11-37G8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-37G8, genomic survey sequence.//8.3e-60:320:95//AQ029850
R-NT2RP2003871//HS_3210_A1_C08_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3210 Col=15 Row=E, genomic survey sequence.//8.6e-09:322:61//AQ175028
10 R-NT2RP2003885//RPCI11-7M10.TP RPCI-11 Homo sapiens genomic clone RPCI-11-7M10, genomic survey sequence.//4.7e-67:380:92//B72214
R-NT2RP2003912//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 32B1, WORKING DRAFT SEQUENCE.//1.2e-33:379:75//AL023693
15 R-NT2RP2003952
R-NT2RP2003968//Homo sapiens hUBP mRNA for ubiquitin specific protease, complete cds.//2.3e-114:568:97//AB014458
R-NT2RP2003976//Homo sapiens mRNA for KIAA0447 protein, complete cds.//1.1e-107:540:97//AB007916
R-NT2RP2003981//Homo sapiens mRNA for KIAA0804 protein, partial cds.//7.7e-114:568:96//AB018347
20 R-NT2RP2003984
R-NT2RP2003986//Human Chromosome 11 pac pDJ197h17, WORKING DRAFT SEQUENCE, 11 unordered pieces.//6.6e-99:551:92//AC0003 82
R-NT2RP2003988
R-NT2RP2004014
25 R-NT2RP2004041//Homo sapiens chromosome 19, cosmid F17127, complete sequence.//4.9e-114:568:97//AC004780
R-NT2RP2004042//nbxb0020F03r CUGI Rice BAC Library Oryza sativa genomic clone nbxb0020F03r, genomic survey sequence.//0.11:195:64//AQ258389
R-NT2RP2004081//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 134019, WORKING DRAFT SEQUENCE.//7.6e-110:564:95//AL034555
30 R-NT2RP2004081//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.012:503:57//AC005308
R-NT2RP2004098//H.sapiens CpG island DNA genomic MseI fragment, clone 133h3, reverse read cpg133h3.rt1a.//7.9e-25:140:100//Z64530
35 R-NT2RP2004124
R-NT2RP2004142//CIT-HSP-2316F21.TR CIT-HSP Homo sapiens genomic clone 2316F21, genomic survey sequence.//2.8e-83:409:98//AQ034964
R-NT2RP2004152//HS_3065_A2_D04_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3065 Col=8 Row=G, genomic survey sequence.//2.5e-62:304:100//AQ137776
40 R-NT2RP2004165//Anthocidaris crassispina mRNA for dynein beta-heavy chain, complete cds.//3.4e-20:343:65//D01021
R-NT2RP2004170//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone B33108; HTGS phase 1, WORKING DRAFT SEQUENCE, 10 unordered pieces.//2.5e-89:587:86//AC004064
R-NT2RP2004172//Dictyostelium discoideum LTR-retrotransposon Skipper, partial genomic sequence, 3' end.//0.24:440:60//AF017047
45 R-NT2RP2004187//RPCI11-59E12.TK RPCI11 Homo sapiens genomic clone R-59E12, genomic survey sequence.//3.1e-05:175:66//AQ198120
R-NT2RP2004194
R-NT2RP2004196//Fugu rubripes GSS sequence, clone 076D01bE2, genomic survey sequence.//1.6e-22:178:71//AL026601
50 R-NT2RP2004207//Homo sapiens BAC clone GS421I03 from Xq25-q26, complete sequence.//0.19:175:64//AC005023
R-NT2RP2004226//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y313F4, WORKING DRAFT SEQUENCE.//6.1e-17:445:64//AL023808
55 R-NT2RP2004232//M.musculus (Balb/c) mRNA for serine/threonine protein kinase.//3.2e-25:326:71//Z34524
R-NT2RP2004239//Homo sapiens lok mRNA for protein kinase, complete cds.//8.7e-108:563:94//AB015718
R-NT2RP2004240//Homo sapiens antigen NY-CO-1 (NY-CO-1) mRNA, complete cds.//1.1e-101:530:93//AF039687

- R-NT2RP2004242
R-NT2RP2004245//Homo sapiens DNA sequence from PAC 455H14 on chromosome Xq21.3-22.3. Contains genomic marker DXS1203 with a CA repeat polymorphism, STSs and GSSs, complete sequence.//5.1e-08:236:65//AL023280
- 5 R-NT2RP2004270//Lycopersicon esculentum Idh2 gene.//0.98:259:61//Y10603
R-NT2RP2004300//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1068F16, WORKING DRAFT SEQUENCE.//5.0e-14:396:65//AL023913
R-NT2RP2004316//Homo sapiens EXT-like protein 2 (EXTL2) mRNA, complete cds.//1.5e-108:544:96//AF000416
R-NT2RP2004321//Caenorhabditis elegans cosmid F47B8, complete sequence.//0.0078:333:61//Z77662
- 10 R-NT2RP2004339//Homo sapiens PAC clone DJ1136G13 from 7q35-q36, complete sequence.//1.4e-75:306:86//AC005229
R-NT2RP2004347//RPC111-90N11.TJ RPC111 Homo sapiens genomic clone R-90N11, genomic survey sequence.//2.9e-87:494:92//AQ284548
R-NT2RP2004364//Human DNA sequence from clone 422F24 on chromosome 6q24.1-25.2. Contains a novel gene similar to C. elegans C02C2.5. Contains ESTs, STSs and GSSs, complete sequence.//4.2e-10:161:76//AL031010
R-NT2RP2004365//Plasmodium falciparum chromosome 2, section 70 of 73 of the complete sequence.//3.6e-08:483:57//AE001433
R-NT2RP2004366//F.rubripes GSS sequence, clone 013B16aF3, genomic survey sequence.//2.1e-05:128:67//AL000528
- 20 R-NT2RP2004373//Homo sapiens 12q24.2 BAC RPC111-407A16 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//0.81:205:62//AC006065
R-NT2RP2004389//HS_2183_B2_H04_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2183 Col=8 Row=P, genomic survey sequence.//3.9e-06:82:84//AQ063969
- 25 R-NT2RP2004392//Ceratovacuna sp. mitochondrial cytochrome oxidase I (3' end), cytochrome oxidase II (complete cds) and transfer RNA-Leu gene.//2.7e-06:495:58//L39993
R-NT2RP2004396//Homo sapiens BAC clone RG135C18 from 7q21, complete sequence.//6.4e-111:572:96//AC005164
R-NT2RP2004399//Arabidopsis thaliana chromosome I BAC F11M15 genomic sequence, complete sequence.//0.13:253:64//AC006085
- 30 R-NT2RP2004400//HS_3238_A2_H11_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3238 Col=22 Row=O, genomic survey sequence.//5.1e-23:162:89//AQ211412
R-NT2RP2004412//Saccharomyces douglasii mitochondrial cytochrome c oxidase subunit I (COXI) gene, complete cds.//2.6e-09:458:60//M97514
- 35 R-NT2RP2004425//Human DNA sequence from clone 1052M9 on chromosome Xq25. Contains the SH2D1A gene for SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome) (DSHP), part of a 60S Acidic Ribosomal protein 1 (RPLP1) LIKE gene and part of a mouse DOC4 LIKE gene. Contains ESTs and GSSs, complete sequence.//0.99:481:56//AL022718
R-NT2RP2004476//Rattus norvegicus activity and neurotransmitter-induced early gene 6 (ania-6) mRNA, 3'UTR.//5.3e-99:600:90//AF030091
- 40 R-NT2RP2004490//Homo sapiens chromosome 16, P1 clone 94-10H (LANL), complete sequence.//3.9e-115:575:97//AC005591
R-NT2RP2004512//Plasmodium falciparum MAL3P3, complete sequence.//0.00034:517:58//Z98547
R-NT2RP2004523//Homo sapiens clone DJ0800G07, complete sequence.//1.8e-115:571:97//AC004890
- 45 R-NT2RP2004538//Homo sapiens BAC clone RG318C11 from 7p14-p15, complete sequence.//1.7e-47:322:87//AC005091
R-NT2RP2004551//Homo sapiens Xp22 bins 45-47 BAC GSHB-665N22 (Genome Systems Human BAC Library) complete sequence.//0.035:511:58//AC005184
R-NT2RP2004568//T7C20-Sp6 TAMU Arabidopsis thaliana genomic clone T7C20, genomic survey sequence.//0.70:446:54//B08766
- 50 R-NT2RP2004580//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 136B1, WORKING DRAFT SEQUENCE.//2.2e-53:397:74//AL031768
R-NT2RP2004587//CIT-HSP-2376P22.TF CIT-HSP Homo sapiens genomic clone 2376P22, genomic survey sequence.//0.0079:223:63//AQ108976
- 55 R-NT2RP2004594//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//5.3e-10:493:62//AC004605
R-NT2RP2004600//Homo sapiens full-length insert cDNA clone ZE04E06.//2.1e-70:343:99//AF086522
R-NT2RP2004602//Homo sapiens full-length insert cDNA clone YW26E09.//2.0e-96:528:93//AF086033

R-NT2RP2004614
R-NT2RP2004655//Homo sapiens mRNA for leucine rich protein./7.3e-117:587:96//AJ006291
R-NT2RP2004664//Homo sapiens mRNA for KIAA0460 protein, partial cds./1.8e-105:520:96//AB007929
R-NT2RP2004675//Human elastin (ELN) gene, partial cds, and LIM-kinase (LIMK1) gene, complete cds./3.4e-
22:197:79//U63721
R-NT2RP2004681//Rat notch 2 mRNA./8.0e-30:276:78//M93661
R-NT2RP2004689//Homo sapiens mRNA for KIAA0625 protein, partial cds./1.6e-118:600:96//AB014525
R-NT2RP2004709//Homo sapiens full-length insert cDNA clone ZD42A08./3.5e-14:139:86//AF086259
R-NT2RP2004710//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 126A5, WORKING
DRAFT SEQUENCE./6.9e-117:592:96//AL031447
R-NT2RP2004736//Homo sapiens mRNA for KIAA0478 protein, complete cds./4.2e-117:594:96//AB007947
R-NT2RP2004743//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING
DRAFT SEQUENCE, 8 unordered pieces./0.53:403:59//AC005505
R-NT2RP2004767//Human DNA sequence from PAC 491M17 on chromosome 1p36.2-1p36.3./2.0e-81:568:84//
Z97988
R-NT2RP2004775//Anopheles quadrimaculatus NADH dehydrogenase subunits (1-4, 4L, 5-6); cytochrome oxi-
dase subunits (1-3); adenosine triphosphatase subunits (6.8); cytochrome b; transfer RNA; ribosomal RNA (large
and small subunits)/.4.0e-08:365:62//L04272

R-NT2RP2004791//Homo sapiens chromosome 5, BAC clone 282B7 (LBNL H192), complete sequence./7.8e-
111:541:98//AC005216
R-NT2RP2004799//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds./
2.5e-114:564:96//AF058953
R-NT2RP2004802
R-NT2RP2004816//Homo sapiens H beta 58 homolog mRNA, complete cds./2.7e-118:584:97//AF054179
R-NT2RP2004841//Human BAC clone RG308B22 from 7q22-q31, complete sequence./4.0e-46:447:72//
AC002089
R-NT2RP2004861//Plasmodium falciparum MAL3P5, complete sequence./0.19:189:66//AL034556
R-NT2RP2004897//Human Chromosome X clone bWDX187, complete sequence./1.1e-08:330:61//AC004383
R-NT2RP2004936//CIT-HSP-2374L4.TF CIT-HSP Homo sapiens genomic clone 2374L4, genomic survey se-
quence./0.99:129:65//AQ110571
R-nnnnnnnnnnnn//Plasmodium falciparum MAL3P6, complete sequence./0.014:402:61//Z98551
R-NT2RP2004961//RPCI11-45P2.TK RPCI11 Homo sapiens genomic clone R-45P2, genomic survey sequence./
9.3e-90:453:97//AQ202282
R-NT2RP2004962//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y40H4,
WORKING DRAFT SEQUENCE./0.017:291:61//AL022573
R-NT2RP2004967//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces./4.6e-
52:496:77//AC005077
R-NT2RP2004978//Homo sapiens chromosome 19, cosmid F23269, complete sequence./0.088:322:63//
AC005614
R-NT2RP2004982//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence./0.025:339:61//
AC003071
R-NT2RP2004985//T31H24TF TAMU Arabidopsis thaliana genomic clone T31H24, genomic survey sequence./
0.40:111:70//B78148
R-NT2RP2004999//Homo sapiens clone NH0084K19, WORKING DRAFT SEQUENCE, 30 unordered pieces./
0.23:157:68//AC005682
R-NT2RP2005000
R-NT2RP2005001//Homo sapiens mRNA for KIAA0615 protein, complete cds./3.0e-111:577:95//AB014515
R-NT2RP2005003//Homo sapiens Xp22-132-134 BAC GSHB-590J15 (Genome Systems Human BAC library)
complete sequence./2.4e-21:246:77//AC004673
R-nnnnnnnnnnnn//Homo sapiens SEC63 (SEC63) mRNA, complete cds./9.5e-115:568:97//AF100141
R-NT2RP2005018//HS_3108_B1_E09_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3108 Col=17 Row=J, genomic survey sequence./1.9e-31:222:89//AQ104050
R-NT2RP2005020//Rattus norvegicus cationic amino acid transporter-1 (CAT-1) mRNA, complete cds./6.6e-41:
566:73//U70476
R-NT2RP2005031//CIT-HSP-516A2.TV CIT-HSP Homo sapiens genomic clone 516A2, genomic survey se-
quence./4.1e-31:357:75//B49897
R-NT2RP2005037

- R-NT2RP2005038//Sequence 5 from patent US 5552281 //2.2e-32:178:98//I25644
 R-NT2RP2005108//Mus musculus orphan nuclear hormone receptor (CAR) gene, complete sequence //3.7e-23:475:67//AF009326
 R-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds //8.4e-104:518:97//AB014564
 5 R-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein) //1.4e-67:464:85//X98743
 R-NT2RP2005139
 R-NT2RP2005140//Leishmania mexicana amazonensis kinetoplast (clone 29) maxicircle A+T-rich repetitive DNA sequence //7.9e-08:460:60//U00101
 10 R-NT2RP2005144//Homo sapiens chromosome 12p13.3 clone RPC111-372B4, WORKING DRAFT SEQUENCE, 129 ordered pieces //2.5e-103:519:96//AC005911
 R-NT2RP2005147//Homo sapiens clone DJ1125K23, WORKING DRAFT SEQUENCE, 21 unordered pieces //0.068:100:75//AC004971
 R-NT2RP2005159//CITBI-E1-2506A8.TF CITBI-E1 Homo sapiens genomic clone 2506A8, genomic survey sequence //0.90:113:71//AQ262104
 15 R-NT2RP2005162//Homo sapiens chromosome 17, clone HCIT307A16, complete sequence //5.0e-14:183:75//AC003041
 R-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein //7.5e-100:513:95//AJ007509
 R-NT2RP2005204
 20 R-NT2RP2005227//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence //7.2e-119:583:97//AC005189
 R-NT2RP2005239//Homo sapiens mRNA for putative tRNA splicing protein, partial //8.4e-62:312:98//AJ010952
 R-NT2RP2005254//Homo sapiens DNA sequence from PAC 262D12 on chromosome 1q23.3-24.3. Contains a Tenascin (Hexabrachion, Cytotactin, Neuronectin, Myotendinous antigen)-LIKE gene and a mitochondrial/chloroplast 30S ribosomal protein S14-LIKE gene preceded by a CpG island. Contains ESTs, genomic marker D1S2691 and STSs //5.7e-09:328:62//Z99297
 25 R-NT2RP2005270//Plasmodium falciparum MAL3P8, complete sequence //2.3e-05:355:61//AL034560
 R-NT2RP2005276//Genomic sequence for Arabidopsis thaliana BAC F17F8, complete sequence //0.0014:541:58//AC000107
 30 R-NT2RP2005287//Cavia porcellus zinc finger protein (zfoC1) mRNA, complete cds //4.4e-69:459:86//L26335
 R-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds //7.4e-124:594:98//AF060219
 R-NT2RP2005289//Homo sapiens mRNA for XRP2 protein //1.5e-110:545:96//AJ007590
 R-NT2RP2005293//Leishmania mexicana amazonensis kinetoplast (clone 29) maxicircle A+T-rich repetitive DNA sequence //1.1e-12:554:61//U00101
 35 R-NT2RP2005315//Homo sapiens DNA sequence from PAC 168L15 on chromosome 6q26-27. Contains RSK3 gene, ribosomal protein S6 kinase, EST, GSS, STS, CpG island, complete sequence //9.5e-15:218:77//AL022069
 R-NT2RP2005325//Rattus norvegicus LIM homeodomain protein (LH-2) mRNA sequence //2.0e-72:478:88//L06804
 40 R-NT2RP2005336//***ALU WARNING: Human Alu-J subfamily consensus sequence //7.3e-33:139:82//U14567
 R-NT2RP2005344//Human DNA sequence from PAC 128N22 on chromosome Xq25-Xq26.3. contains STS //0.094:451:60//297629
 R-NT2RP2005354//Homo sapiens mRNA for putative thioredoxin-like protein //1.3e-11:89:96//AJ010841
 R-NT2RP2005360//Homo sapiens clone RG023115, WORKING DRAFT SEQUENCE, 1 unordered pieces //0.046:266:60//AC005049
 45 R-NT2RP2005393//Homo sapiens chromosome 17, clone hRPK.85_B_7, complete sequence //6.0e-41:226:86//AC005695
 R-NT2RP2005407
 R-NT2RP2005436//Polistes annularis (clone pan117AAT) tandem repeat region //0.039:169:63//L10835
 50 R-NT2RP2005441//CIT-HSP-2338P5.TR CIT-HSP Homo sapiens genomic clone 2338P5, genomic survey sequence //3.0e-38:263:88//AQ055548
 R-NT2RP2005453//CIT-HSP-2367N1.TR CIT-HSP Homo sapiens genomic clone 2367N1, genomic survey sequence //0.67:409:59//AQ079845
 R-NT2RP2005457//Homo sapiens partial XPGC gene, exon 2 //2.0e-42:315:82//X71342
 55 R-NT2RP2005464//CIT-HSP-2359C16.TF CIT-HSP Homo sapiens genomic clone 2359C16, genomic survey sequence //1.0:251:60//AQ075816
 R-NT2RP2005465//Drosophila melanogaster, chromosome 2R, region 44D1-44D2, P1 clone DS08616, complete sequence //01251288:62//AC005457

- R-NT2RP2005472//Chlorarachnion CCMP621 small subunit ribosomal RNA, 5.8S ribosomal RNA, large subunit ribosomal RNA, U6 small nuclear RNA, small subunit ribosomal protein S13 (RPS13), pre-mRNA splicing factor PRP 6 homolog, small subunit ribosomal protein 4 (RPS4), small nucleolar ribonucleoprotein E homolog (snRNPE), ATP-dependent clp protease proteolytic subunit homolog (CLPP), putative RNA polymerase II subunit (RNA POLII), and RNA helicase homolog (RNAHEL) genes, complete cds.//1.0:356:59//U58510
- 5 R-NT2RP2005476//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P3, WORKING DRAFT SEQUENCE.//0.00092:421:60//AL031746
- R-NT2RP2005490//Homo sapiens clone NH0001P09, WORKING DRAFT SEQUENCE, 1 unordered pieces.//6.2e-71:187:100//AC006030
- 10 R-NT2RP2005491//paramecium species 5,311 mt dna dimer: replication init. region.//1.6e-10:403:62//K00917
- R-NT2RP2005495//Homo sapiens clone RG037F03, WORKING DRAFT SEQUENCE, 12 unordered pieces.//1.3e-25:208:82//AC005051
- 15 R-NT2RP2005496//Human DNA sequence from clone 354N19 on chromosome 6q22. Contains the 3' part of the gene for Mannosyl-Oligosaccharide Alpha-1,2-Mannosidase (Man(9)-alpha-mannosidase, EC 3.2.1.113), a Cytochrome C Oxidase Polypeptide I (EC 1.9.3.1) pseudogene and a pseudogene similar to 60S Ribosomal Protein L13A. Contains genomic markers D6S287 and D6S1696, ESTs, STSs, GSSs and two CA repeat polymorphisms, complete sequence.//1.5e-22:196:84//AL022722
- R-NT2RP2005498
- 20 R-NT2RP2005501//Homo sapiens chromosome 17, clone hRPK.269_G_24, complete sequence.//7e-29:252:76//AC005828
- R-NT2RP2005509//CIT-HSP-2060J6.TR CIT-HSP Homo sapiens genomic clone 2060J6, genomic survey sequence.//3.1e-53:402:84//B69979
- R-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//9.9e-109:570:94//AF092563
- 25 R-NT2RP2005525//Human clone JkA2 mRNA induced upon T-cell activation, 3' end.//5.1e-32:175:98//U38432
- R-NT2RP2005531//Homo sapiens PAC clone DJ0870F17 from 7q33-q36, complete sequence.//0.94:288:61//AC004911
- R-NT2RP2005539//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//2.7e-106:560:94//AJ012449
- R-NT2RP2005540//Homo sapiens mRNA for KIAA0494 protein, complete cds.//5.3e-114:583:96//AB007963
- 30 R-NT2RP2005549//Homo sapiens *** SEQUENCING IN PROGRESS *** WORKING DRAFT SEQUENCE.//0.91:287:58//AJ011929
- R-NT2RP2005555//Homo sapiens 12p13.3 PAC RPCIS-927J10 (Roswell Park Cancer Institute Human PAC library) complete sequence.//3.6e-05:222:66//AC004804
- R-NT2RP2005557//Homo sapiens PAC clone DJ1200I23 from 7p15, complete sequence.//8.2e-22:236:76//AC004996
- 35 R-NT2RP2005581//Homo sapiens clone DJ0693M11, WORKING DRAFT SEQUENCE, 7 unordered pieces.//7.2e-45:286:85//AC006146
- R-NT2RP2005600//Human polymorphic microsatellite DNA.//0.043:304:58//M99148
- R-NT2RP2005605//Human Cosmid g1572c190, complete sequence.//2.4e-17:163:77//AC000126
- 40 R-NT2RP2005620
- R-NT2RP2005622//jd432 Trypanosome Shotgun M13 genomic Trypanosoma brucei brucei genomic clone 11B7, genomic survey sequence.//0.010:308:58//B13538
- R-NT2RP2005637//Homo sapiens PAC clone DJ0555L14 from 7q34-q36, complete sequence.//2.5e-26:322:72//AC005996
- 45 R-NT2RP2005640//Mus musculus squamous cell carcinoma antigen 2 (Scca2) gene, complete cds.//0.030:370:60//AF063937
- R-NT2RP2005645//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.//3.2e-08:355:62//AE001398
- R-NT2RP2005651
- 50 R-NT2RP2005654//Leishmania major Friedlin cosmid L5769, complete sequence.//0.96:216:66//AL031908
- R-NT2RP2005669//Homo sapiens nitrilase homolog 1 (NIT1) gene, alternatively spliced product, complete cds.//6.7e-117:594:95//AF069984
- R-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds.//1.8e-89:434:98//AF089814
- 55 R-NT2RP2005683//jd432 Trypanosome Shotgun M13 genomic Trypanosoma brucei brucei genomic clone 11B7, genomic survey sequence.//0.037:283:58//B13538
- R-NT2RP2005690//Homo sapiens clone DJ0425I02, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.5e-38:295:83//AC005478

R-NT2RP2005694//*Plasmodium falciparum* DNA *** SEQUENCING IN PROGRESS *** from contig 3-106, complete sequence.//0.0026:414:57//AL010210
 R-NT2RP2005701
 R-NT2RP2005712//Homo sapiens mRNA for KIAA0799 protein, partial cds.//4.1e-104:503:98//AB018342
 5 R-NT2RP2005719//*Caenorhabditis elegans* cosmid LLC1, complete sequence.//0.83:275:61//Z82277
 R-NT2RP2005722//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 228H13, WORKING DRAFT SEQUENCE.//1.2e-21:199:75//AL031985
 R-NT2RP2005723
 R-NT2RP2005726//Homo sapiens clone DJ0609N19, WORKING DRAFT SEQUENCE, 3 unordered pieces.//2.6e-64:503:82//AC004842
 10 R-NT2RP2005741//Human Chromosome 11 pac pDJ393o15, WORKING DRAFT SEQUENCE, 8 unordered pieces.//2.5e-09:261:64//AC000384
 R-NT2RP2005748//RPC111-64K11.TK RPC111 Homo sapiens genomic clone R-64K11, genomic survey sequence.//0.00039:215:66//AQ239313
 15 R-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds.//1.3e-40:223:96//AF068868
 R-NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//3.7e-103:494:98//AF082516
 R-NT2RP2005763//Homo sapiens DNA sequence from PAC 510L9 on chromosome 6p24.1-p25.3.//9.7e-34:172:86//AL022098
 20 R-NT2RP2005767//Human clone H3 mRNA.//2.5e-21:179:87//U03672
 R-NT2RP2005773//HS_2168_B1_G12_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2168 Col=23 Row=N, genomic survey sequence.//0.99:212:63//AQ086414
 R-NT2RP2005775//Rabbit mRNA for endopeptidase, complete cds.//4.8e-98:591:88//D13310
 25 R-NT2RP2005781//*Streptomyces* sp. genomic DNA for sarcosine oxidase.//0.019:384:59//D10623
 R-NT2RP2005784//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1185N5, WORKING DRAFT SEQUENCE.//1.8e-102:490:99//AL034423
 R-NT2RP2005804//Homo sapiens chromosome 17, clone hRPK147_L_13, complete sequence.//6.3e-16:481:63//AC005332
 30 R-NT2RP2005812//*Caenorhabditis elegans* cosmid F15810.//0.81:147:63//AF036696
 R-NT2RP2005815
 R-NT2RP2005835
 R-NT2RP2005841//Human DNA sequence from cosmid U209G1 on chromosome X.//1.5e-26:512:64//Z68873
 R-NT2RP2005853//Human DNA sequence from clone 1156N12 on chromosome X. Contains an STS and GSSs, complete sequence.//3.7e-16:340:64//AL009047
 35 R-NT2RP2005857//Human DNA sequence from cosmid U246D9 on chromosome X. Contains a histone H2B like pseudogene.//1.3e-09:331:65//AL021308
 R-NT2RP2005859//*Plasmodium falciparum* DNA *** SEQUENCING IN PROGRESS *** from contig 3-83, complete sequence.//0.0097:363:59//AL010152
 40 R-NT2RP2005868//*Plasmodium falciparum* DNA *** SEQUENCING IN PROGRESS *** from contig 3-18, complete sequence.//1.1e-07:508:60//AL008971
 R-NT2RP2005890//Mouse oncogene (ect2) mRNA, complete cds.//2.7e-31:500:67//AL11316
 R-NT2RP2005901//Homo sapiens T-cell receptor alpha delta locus from bases 752679 to 1000555 (section 4 of 5) of the Complete Nucleotide Sequence.//0.89:276:60//AE000661
 45 R-NT2RP2005908
 R-NT2RP2005933//*Rattus norvegicus* nucleoporin p54 mRNA, complete cds.//1.2e-40:285:80//U63840
 R-NT2RP2005942//Homo sapiens DNA sequence from PAC 142L7 on chromosome 6q21. Contains a Laminin Alpha 4 (LAMA4) LIKE gene coding for two alternatively spliced transcripts, a Tubulin Beta LIKE pseudogene, a Connective tissue growth factor (NOV, GIG) LIKE gene, A predicted CpG island, ESTs, STSs and genomic marker D6S416, complete sequence.//0.0011:480:58//Z99289
 50 R-NT2RP2005980//Homo sapiens Xp22 BAC GSHB-536K7 (Genome Systems Human BAC library) complete sequence.//8.9e-21:136:78//AC004616
 R-NT2RP2006023//HS_2176_B1_C10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2176 Col=19 Row=F, genomic survey sequence.//2.5e-66:369:95//AQ023148
 55 R-NT2RP2006038//*Plasmodium falciparum* chromosome 2, section 6 of 73 of the complete sequence.//0.00029:408:58//AE001369
 R-NT2RP2006043//*Polistes annularis* (clone pan117AAT) tandem repeat region.//0.032:195:62//L10835
 R-NT2RP2006052//*Plasmodium falciparum* 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING

DRAFT SEQUENCE, 14 unordered pieces.//0.11:263:61//AC005140
R-NT2RP2006069
R-NT2RP2006071//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING
DRAFT SEQUENCE, 3 unordered pieces.//0.00044:333:61//AC004709
5 R-NT2RP2006098//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-77, complete
sequence.//4.1e-09:393:62//AL010151
R-NT2RP2006100//HS_2020_A2_H02_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=2020 Col=4 Row=O, genomic survey sequence.//8.3e-53:304:92//AQ228761
R-NT2RP2006103//Rat sodium-hydrogen exchange protein-isoform 3 (NHE-3) mRNA, complete cds.//1.5e-16:
10 199:79//M85300
R-NT2RP2006141
R-NT2RP2006166//Human Chromosome 16 BAC clone CIT987SK-A-589H1, complete sequence.//8.2e-48:329:
76//AC002045
R-NT2RP2006184//RPCI11-6O16.TP RPCI-11 Homo sapiens genomic clone RPCI-11-6O16, genomic survey se-
15 quence.//0.52:273:61//B49539
R-NT2RP2006186//Homo sapiens mRNA for KIAA0654 protein, partial cds.//1.9e-108:553:95//AB014554
R-NT2RP2006196//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-57, complete
sequence.//4.2e-05:420:59//AL008981
R-NT2RP2006200//Homo sapiens chromosome 12p13.3 clone RPCI1-96H9, WORKING DRAFT SEQUENCE,
20 66 unordered pieces.//2.1e-100:409:96//AC006057
R-NT2RP2006219//H.sapiens mRNA for DGCR6 protein.//3.8e-93:532:90//X96484
R-NT2RP2006237//P.falciparum PK1 gene.//2.9e-08:481:59//X83707
R-NT2RP2006238//Human chromosome 16 BAC clone CIT987SK-A-962B4, complete sequence.//3.5e-79:405:
89//U91318
25 R-NT2RP2006258//Human PAC clone DJ0899B21 from 7p15-p21, complete sequence.//2.2e-08:283:63//
AC004008
R-NT2RP2006261//H.sapiens mRNA for serine/threonine protein kinase EMK.//6.2e-13:234:68//X97630
R-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds.//2.0e-108:542:97//AF035262
R-NT2RP2006320//347J16.TVB CIT978SKA1 Homo sapiens genomic clone A-347J16, genomic survey se-
30 quence.//1.2e-27:215:65//B17768
R-NT2RP2006321//Human karyopherin beta 3 mRNA, complete cds.//1.7e-48:298:90//U72761
R-NT2RP2006323//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 702J19, WORKING
DRAFT SEQUENCE.//2.8e-104:524:96//AL033531
R-NT2RP2006333//Homo sapiens PAC clone DJ0808A01 from 7q21.1-q31.1, complete sequence.//3.9e-33:298:
35 78//AC004893
R-NT2RP2006334
R-NT2RP2006365//RPCI11-72I15.TK RPCI11 Homo sapiens genomic clone R-72I15, genomic survey sequence.//
2.6e-35:217:92//AQ267043
R-NT2RP2006393//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone B13E4;
40 HTGS phase 1, WORKING DRAFT SEQUENCE, 10 unordered pieces.//8.0e-40:317:81//AC004046
R-NT2RP2006436//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y738F9, WORKING
DRAFT SEQUENCE.//3.2e-42:184:86//AL022345
R-NT2RP2006441//Plasmodium falciparum microsatellite TA80 sequence.//0.00021:188:68//AF010568
R-NT2RP2006454//Plasmodium falciparum chromosome 2, section 60 of 73 of the complete sequence.//0.30:265:
45 60//AE001423
R-NT2RP2006456//Homo sapiens clone 23566 mRNA sequence.//2.5e-104:532:96//AF052098
R-NT2RP2006464//Homo sapiens mRNA for AND-1 protein.//6.6e-108:524:97//AJ006266
R-NT2RP2006467//Sequence 50 from patent US 5691147.//8.3e-22:235:74//I76222
R-NT2RP2006472//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1172A22, WORKING
50 DRAFT SEQUENCE.//5.4e-12:407:62//AL034386
R-NT2RP2006534//Dictyostelium discoideum actin 8 gene, 3' UTR.//0.44:111:65//M25216
R-NT2RP2006554//Plasmodium falciparum chromosome 2, section 7 of 73 of the complete sequence.//0.19:392:
58//AE001370
R-NT2RP2006565//Sus scrofa SCAMP 1 gene, exon 9.//1.5e-13:292:68//AJ223742
55 R-NT2RP2006571//Homo sapiens chromosome 19, cosmid F17972, complete sequence.//0.0024:409:58//
AC004660
R-nnnnnnnnnnnnn//Human BRCA2 region, mRNA sequence CG005.//3.3e-16:334:64//U50532
R-NT2RP2006598//Mus musculus retinoid X receptor interacting protein (RIP110) mRNA, partial cds.//1.6e-19:

- 448:64//J22015
 R-NT2RP3000002//Human DNA sequence from cosmid N104C7 on chromosome 22, complete sequence//4.4e-14:501:63//Z82246
 R-NT2RP3000031//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//5.9e-115:560:97//AJ011972
 5 R-NT2RP3000046//Homo sapiens clone DJ0042M02, WORKING DRAFT SEQUENCE, 20 unordered pieces//3.9e-57:402:83//AC005995
 R-NT2RP3000047//Homo sapiens chromosome 17, clone hRPK.138_P_22, complete sequence//1.0:158:66//AC005697
 10 R-NT2RP3000050//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 451B21, WORKING DRAFT SEQUENCE//2.7e-32:411:69//AL033522
 R-NT2RP3000055//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1000N6, WORKING DRAFT SEQUENCE//7.9e-17:309:69//AL034378
 R-NT2RP3000072//Brassica rapa DNA for S-locus glycoprotein, complete cds//2.9e-07:516:60//D88192
 15 R-NT2RP3000080//Homo sapiens clone DJ1129D05, complete sequence//1.7e-27:186:90//AC005630
 R-NT2RP3000085//Arabidopsis thaliana acetyl-CoA carboxylase biotin-containing subunit mRNA, nuclear gene encoding chloroplast protein, complete cds//0.0051:289:59//U-23155
 R-NT2RP3000109//HS_3065_A2_D04_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate-3065 Col=8 Row=G, genomic survey sequence//2.5e-62:304:100//AQ137776
 20 R-NT2RP3000134//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P3, WORKING DRAFT SEQUENCE//0.027:414:57//AL031746
 R-NT2RP3000142//Homo sapiens mRNA for KIAA0592 protein, partial cds//3.8e-115:578:96//AB011164
 R-NT2RP3000149//Homo sapiens chromosome 17, clone hRPK.332_H_18, complete sequence//1.3e-67:354:95//AC005746
 25 R-NT2RP3000186
 R-NT2RP3000197//Human DNA sequence from PAC 181N1 on chromosome X contains ESTs, STS polymorphic CA repeat* //2.5e-31:295:78//Z82899
 R-NT2RP3000207//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-954B10, complete sequence//0.016:305:61//AC004514
 30 R-NT2RP3000220//RPC11-63O7.TJ RPC11 Homo sapiens genomic clone R-63O7, genomic survey sequence//0.25:118:66//AQ201832
 R-NT2RP3000233//Plasmodium falciparum mRNA for major merozoite surface antigen gp195//3.2e-11:440:59//X15063
 R-NT2RP3000235//Mus musculus chromosome 6 clone TB6 subclone TB6pD1//0.81:114:64//U19530
 35 R-NT2RP3000247//Homo sapiens DNA sequence from clone 326L12 on chromosome Xq27.1 27.3. Contains the cancer/testis antigen CT7 (melanoma-associated antigen MAGE-C1) gene, two MAGE family pseudogenes, STSs and a CA repeat polymorphism, complete sequence//4.8e-73:362:86//AL023279
 R-NT2RP3000251//Homo sapiens chromosome 17, clone hRPK.192_H_23, complete sequence//0.025:131:66//AC005726
 40 R-NT2RP3000252
 R-NT2RP3000255//HS-1025-B2-F08-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 804 Col=16 Row=L, genomic survey sequence//0.67:119:66//B34879
 R-NT2RP3000267
 R-NT2RP3000299//Rattus norvegicus mRNA for Crk-associated substrate, p130, complete cds//1.2e-23:424:69//D29766
 45 R-NT2RP3000312//Plasmodium falciparum MAL3P4, complete sequence//0.55:414:59//AL008970
 R-NT2RP3000320//HS_3056_A1_C03_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3056 Col=5 Row=E, genomic survey sequence//4.1e-32:214:89//AQ134064
 R-NT2RP3000324//Rattus norvegicus potassium channel regulator 1 mRNA, complete cds//1.5e-22:265:75//U78090
 50 R-NT2RP3000333//Plasmodium falciparum MAL3P6, complete sequence//0.68:460:57//Z98551
 R-NT2RP3000341//H.sapiens mRNA for TIM17 preprotein translocase//1.4e-19:137:90//X97544
 R-NT2RP3000348//CITBI-E1-2513C11.TF CITBI-E1 Homo sapiens genomic clone 2513C11, genomic survey sequence//0.0014:118:72//AQ278177
 55 R-NT2RP3000350
 R-NT2RP3000359//Homo sapiens clone NH0319F03, WORKING DRAFT SEQUENCE, 3 unordered pieces//2.8e-55:320:75//AC006039
 R-NT2RP3000361//Homo sapiens mRNA for KIAA0552 protein, complete cds//0.18:275:61//AB011124

R-NT2RP3000366//CIT-HSP-2317H13.TF CIT-HSP Homo sapiens genomic clone 2317H13, genomic survey sequence.//6.7e-42:214:100//AQ041634
 R-NT2RP3000397//HS-1012-B1-F01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 787 Col=1 Row=L, genomic survey sequence.//0.015:184:63//B31814
 5 R-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds.//1.3e-109:529:98//AF071185
 R-NT2RP3000418//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 510B21, WORKING DRAFT SEQUENCE.//6.2e-15:445:65//AL031885
 R-NT2RP3000433
 R-NT2RP3000439
 10 R-NT2RP3000441
 R-NT2RP3000449//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1018D12, WORKING DRAFT SEQUENCE.//1.6e-43:300:76//AL031650 R-NT2RP3000451//3'untranslated region of human mRNA for a K⁺ channel protein.//0.71:101:66//E13519
 R-NT2RP3000456//Human Xq28 cosmids U126G1, U142F2, U69B6, U145C10, U169A5, U84H1, U24D12, U80A7, U153E6, L35485, and R7-163A8 containing iduronate 2-sulfatase gene and pseudogene, complete sequence.//5.2e-16:376:65//AF011889
 15 R-NT2RP3000484//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 120G22, WORKING DRAFT SEQUENCE.//0.61:326:58//AL031847
 R-NT2RP3000487//Sequence 32 from patent US 5476781.//8.6e-08:409:61//I16692
 20 R-NT2RP3000512//RPC111-60F15.TK RPC111 Homo sapiens genomic clone R-60F15, genomic survey sequence.//2.2e-68:379:93//AQ201516
 R-NT2RP3000526//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 377F16, WORKING DRAFT SEQUENCE.//4.1e-07:224:65//Z93783
 R-NT2RP3000527//HS_3228_A1_H07_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3228 Col=13 Row=O, genomic survey sequence.//4.5e-30:184:93//AQ209131
 25 R-NT2RP3000531//T6M24-Sp6 TAMU Arabidopsis thaliana genomic clone T6M24, genomic survey sequence.//0.67:88:68//AQ248538
 R-NT2RP3000542//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 126B4, WORKING DRAFT SEQUENCE.//2.0e-24:145:82//AL022316
 30 R-NT2RP3000561//Homo sapiens PAC clone DJ0942116 from 7q11, complete sequence.//6.1e-107:548:95//AC006012
 R-NT2RP3000562//HS_2041_B1_E08_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2041 Col=15 Row=J, genomic survey sequence.//9.6e-55:279:98//AQ230207
 R-NT2RP3000578//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-105, complete sequence.//0.00060:356:58//AL010212
 35 R-NT2RP3000582//Homo sapiens chromosome 17, clone hCIT.468_F_23, WORKING DRAFT SEQUENCE, 3 unordered pieces.//4.2e-29:282:67//AC004666
 R-NT2RP3000584//Human PAC clone DJ222H05 from Xq25-q26, complete sequence.//7.4e-44:245:78//AC002377
 40 R-NT2RP3000590//Arabidopsis thaliana chromosome II BAC T31E10 genomic sequence, complete sequence.//0.66:341:59//AC004077
 R-NT2RP3000592//Plasmodium falciparum 3D7 chromosome, 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.022:491:56//AC005505
 R-NT2RP3000599//HS_3025_A1_D11_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3025 Col=21 Row=G, genomic survey sequence.//2.6e-21:161:88//AQ101452
 45 R-NT2RP3000599//Plasmodium falciparum MAL3P8, complete sequence.//1.3e-09:543:58//AL034560
 R-NT2RP3000605//Homo sapiens chromosome 19, cosmid F20900, complete sequence.//5.6e-115:554:98//AC006128
 R-NT2RP3000622//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 27 unordered pieces.//0.15:233:63//AC005414
 50 R-NT2RP3000624//CIT-HSP-2022D4.TR CIT-HSP Homo sapiens genomic clone 2022D4, genomic survey sequence.//1.0:166:66//B64262
 R-NT2RP3000628//Human BAC clone GS188P18, complete sequence.//5.3e-56:384:83//AC000115
 R-NT2RP3000632//Human cyclin-selective ubiquitin carrier protein mRNA, complete cds.//4.0e-61:438:85//U73379
 55 R-NT2RP3000644//Homo sapiens DNA from chromosome 19p13.2 cosmids R31240, R30272 and R28549 containing the EKLF, GCDH, CRTG, and RAD23A genes, genomic sequence.//1.0e-43:408:77//AD000092
 R-NT2RP3000661//F.rubripes GSS sequence, clone 148D22bB9, genomic survey sequence.//2.7e-17:234:69//

AL005927

R-NT2RP3000665//Human chromosome 11 46b2 cosmid, complete sequence.//2.1e-42:526:72//U73645

R-NT2RP3000685//HS_3007_A2_F02_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3007 Col=4 Row=K, genomic survey sequence.//1.6e-101:506:97//AQ118425

5 R-NT2RP3000690//Plasmodium falciparum MAL3P6, complete sequence.//1.3e-13:411:61//Z98551

R-NT2RP3000736

R-NT2RP3000742//Rattus norvegicus phospholipase C delta-4 mRNA, complete cds.//0.0071:231:65//U16655

10 R-NT2RP3000753//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//0.88:366:56//AL021368

R-NT2RP3000759//HS_2055_A2_D09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2055 Col=18 Row=G, genomic survey sequence.//0.45:251:60//AQ234828

15 R-NT2RP3000815//Homo sapiens chromosome 17, clone hRPK.209_J_20, complete sequence.//2.0e-20:293:72//AC005822

R-NT2RP3000825//Plasmodium falciparum MAL3P6, complete sequence.//0.0044:325:62//Z98551

R-NT2RP3000826//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 117715, WORKING DRAFT SEQUENCE.//5.3e-25:375:72//AL022315

20 R-NT2RP3000836//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y214H10, WORKING DRAFT SEQUENCE.//1.3e-19:181:81//AL022344

R-NT2RP3000841//Homo sapiens, clone hRPK.1_A_1, complete sequence.//0.20:226:61//AC006196

R-NT2RP3000845//Homo sapiens chromosome 19, cosmid R33632, complete sequence.//6.8e-91:512:92//AC005781

25 R-NT2RP3000847//***ALU WARNING: Human Alu-Sp subfamily consensus sequence.//7.9e-38:179:86//U14572

R-NT2RP3000850//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence.//4.4e-48:505:76//AC005014

R-NT2RP3000852//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 97P20, WORKING DRAFT SEQUENCE.//2.9e-82:311:98//AL031297

30 R-NT2RP3000859

R-NT2RP3000865//Human DNA sequence from clone 23K20 on chromosome Xq25-26.2 Contains EST, STS, GSS, complete sequence.//1.2e-15:482:63//AL022153 R-NT2RP3000868//Fruitfly strain g20 mitochondrial DNA, A+T-rich region, partial sequence.//0.00045:260:59//AB003097

35 R-NT2RP3000869//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 330012, WORKING DRAFT SEQUENCE.//0.0058:172:64//AL031731

R-NT2RP3000875//H.sapiens /Hepatitis B virus fusion mRNA for mevalonate kinase.//1.4e-99:531:93//X75311

R-NT2RP3000901

R-NT2RP3000904//Genomic sequence for Arabidopsis thaliana BAC T7N9, complete sequence.//0.32:261:57//AC000348

40 R-NT2RP3000917//Plasmodium falciparum MAL3P7, complete sequence.//0.00092:456:58//AL034559

R-NT2RP3000919

R-NT2RP3000968//H.sapiens mRNA for ribosomal protein S15a.//4.5e-24:375:71//X84407

R-NT2RP3000980//Homo sapiens chromosome 17, clone hRPK.855_D_21, complete sequence.//0.36:186:62//AC006079

45 R-NT2RP3000994//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.00052:413:60//AC005140

R-NT2RP3001004//Saccharomyces cerevisiae VAR1 gene, mitochondrial gene encoding mitochondrial protein, 3' processing site, partial sequence.//1.1e-07:330:64//U32857

50 R-NT2RP3001007//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-82, complete sequence.//0.045:286:61//AL010255

R-NT2RP3001055//Human DNA sequence from PAC 27K14 on chromosome Xp11.3-Xp11.4. Contains monoamine oxidase B (MAOB), ESTs and polymorphic CA repeats.//2.3e-56:348:91//Z95125

R-NT2RP3001057//H.sapiens HZF4 mRNA for zinc finger protein.//8.2e-84:531:86//X78927

55 R-NT2RP3001081//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P3, WORKING DRAFT SEQUENCE.//1.1e-08:537:60//AL031746

R-NT2RP3001084

R-NT2RP3001096

R-NT2RP3001107

- R-nnnnnnnnnnnn//Human Chromosome 15q26.1 PAC clone pDJ10k5 containing human DNA polymerase gamma (polg) gene, complete sequence//7.4e-62:272:73//AC005316
 R-NT2RP3001111
 R-NT2RP3001113
 5 R-NT2RP3001115//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence//7.2e-112:550:97//AC005189
 R-NT2RP3001116//CIT-HSP-2282K23.TR CIT-HSP Homo sapiens genomic clone 2282K23, genomic survey sequence//0.000.13.160:69//AQ002011
 R-NT2RP3001119//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from
 10 gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island, complete sequence//5.9e-99:497:96//AL031864
 R-NT2RP3001120
 R-NT2RP3001126//Plasmodium falciparum MAL3P7, complete sequence//0.035:266:56//AL034559
 R-NT2RP3001133
 15 R-NT2RP3001140//Homo sapiens mRNA for KIAA0762 protein, partial cds.//8.1e-114:549:97//AB018305
 R-NT2RP3001147//Homo sapiens chromosome 17, clone HCIT187M2, complete sequence//0.69:198:63//AC004448
 R-NT2RP3001150//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 423B22, WORKING DRAFT SEQUENCE//2.4e-108:542:97//AL034379
 20 R-NT2RP3001155//Homo sapiens mRNA for AND-1 protein.//2.9e-116:563:98//AJ006266
 R-NT2RP3001176//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.44:227:62//AC004688
 R-NT2RP3001214//Borrelia burgdorferi plasmid lp25, complete plasmid sequence//0.0023:381:61//AE000785
 R-NT2RP3001216//RPCI11-18C15.TPC RPCI-11 Homo sapiens genomic clone RPCI-11-18C15, genomic survey
 25 sequence.//7.0e-29:167:97//B88077
 R-NT2RP3001221//Homo sapiens clone 14503, WORKING DRAFT SEQUENCE, 1 ordered pieces.//0.020:211:63//AC005827
 R-NT2RP3001232//Homo sapiens DNA sequence from PAC 124C6 on chromosome 6q21. Contains genomic marker D6S1603, ESTs, GSSs and a STS with a CA repeat polymorphism, complete sequence.//2.7e-08:390:62//AL021326
 30 R-NT2RP3001236//RPCI11-25C17.TKBR RPCI-11 Homo sapiens genomic clone RPCI-11-25C17, genomic survey sequence.//9.5e-41:217:88//AQ014003
 R-NT2RP3001239//Human microtubule-associated protein 1B (MAP1B) gene, complete cds.//2.9e-21:438:63//L06237
 35 R-NT2RP3001245//Homo sapiens DNA sequence from PAC 964D12 on chromosome 1q24-q25. Contains EST, GSS.//0.00026:439:59//AL021398
 R-NT2RP3001253//HS_3002_A2_H12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3002 Col=24 Row=O, genomic survey sequence.//0.98:190:63//AQ251982
 R-NT2RP3001260
 40 R-NT2RP3001268//Homo sapiens clone DJ0959C21, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.012:509:57//AC004936
 R-NT2RP3001272//Homo sapiens BAC clone NH0161H12 from 7p14-p15, complete sequence.//2.2e-22:134:87//AC005589
 R-NT2RP3001274//Sequence 11 from Patent WO9517522.//0.0058:133:66//A45341
 45 R-NT2RP3001281//Human DNA sequence from PAC 52D1 on chromosome Xq21. Contains CA repeats, STS.//4.4e-55:558:76//Z96811
 R-NT2RP3001307//HS_2058_A1_C06_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2058 Col=11 Row=E, genomic survey sequence.//7.2e-33:260:86//AQ305868
 R-NT2RP3001318//Homo sapiens PAC clone DJ0649P17 from 7q11.23-q21, complete sequence.//0.27:210:65//AC004848
 50 R-NT2RP3001325
 R-NT2RP3001338//Rat tropoelastin gene, intron 17 (partial).//1.0:184:64//M86367
 R-NT2RP3001339//Homo sapiens mRNA for KIAA0451 protein, complete cds.//1.2e-112:566:96//AB007920
 R-NT2RP3001340//Homo sapiens HMG box factor SOX-13 mRNA, complete cds.//3.2e-86:450:95//AF083105
 55 R-NT2RP3001355
 R-NT2RP3001374//HS_2184_A2_G04_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2184 Col=8 Row=M, genomic survey sequence.//3.7e-10:101:84//AQ024647
 R-NT2RP3001383//Plasmodium falciparum chromosome 2, section 34 of 73 of the complete sequence.//7.4e-07:

- 279:63//AE001397
 R-NT2RP3001384//Homo sapiens chromosome 19, cosmid R33907, complete sequence.//4.4e-75:382:97//AC005785
 R-NT2RP3001392//HS_3078_B2_D05_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3078 Col=10 Row=H, genomic survey sequence.//1.0:164:64//AQ140587
 5 R-NT2RP3001396//RPC111-63N18.TJ RPC111 Homo sapiens genomic clone R-63N18, genomic survey sequence.//0.14:242:61//AQ238544
 R-NT2RP3001398//Mus musculus zinc finger protein (Zfp64) mRNA, complete cds.//1.8e-10:193:72//U49046
 R-NT2RP3001399
 10 R-NT2RP3001407//Caenorhabditis elegans cosmid D1046, complete sequence.//0.0011:392:60//Z68160
 R-NT2RP3001420//Human BAC clone GS165I04 from 7q21, complete sequence.//3.7e-29:412:74//AC002379
 R-NT2RP3001426//Homo sapiens clone 24616 mRNA sequence.//1.1e-104:550:94//AF052158
 R-NT2RP3001427//Caenorhabditis elegans cosmid K11D5.//0.39:174:64//U53152
 R-ntnnnnnnnnnnnn//Human nuclear pore complex-associated protein TPR (tpr) mRNA, complete cds.//1.4e-94:533:
 15 91//U69668
 R-NT2RP3001432//Homo sapiens DNA sequence from PAC 164C20 on chromosome 6q16.1-22.1. Contains ESTs and GSSs (BAC end sequences), complete sequence.//2.5e-12:415:61//AL009029
 R-NT2RP3001447//Homo sapiens PAC clone DJ0828B12 from 7q11.23-q21.1, complete sequence.//5.6e-36:358:77//AC004903
 20 R-NT2RP3001449//Homo sapiens clone 24497 mRNA sequence.//1.5e-100:499:97//AF070630
 R-NT2RP3001453//Homo sapiens clone DJ0852024, WORKING DRAFT SEQUENCE, 2 unordered pieces.//4.0e-47:295:86//AC004906
 R-NT2RP3001457
 R-NT2RP3001459
 25 R-NT2RP3001472//Crithidia fasciculata kinetoplast apocytochrome b gRNA-mRNA chimera, clone:24.//0.33:150:66//D13030
 R-NT2RP3001490//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-103, complete sequence.//2.3e-08:483:60//AL010208
 R-NT2RP3001495//Human oxidoreductase (HHCMA56) mRNA, complete cds.//4.4e-60:338:93//U13395
 30 R-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds.//2.1e-110:549:97//AF064801
 R-NT2RP3001527//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1125A11, WORKING DRAFT SEQUENCE.//5.3e-32:310:78//AL034549
 R-NT2RP3001529//Human Chromosome X, complete sequence.//5.5e-67:280:93//AC002420
 35 R-NT2RP3001538
 R-NT2RP3001554//Human microtubule-associated protein 1a (MAP1A) mRNA, complete cds.//7.8e-16:391:62//U38292
 R-NT2RP3001580//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.00026:456:58//AC004688
 40 R-NT2RP3001587//Homo sapiens HRIHFB2115 mRNA, partial cds.//5.6e-08:86:88//AB015337
 R-NT2RP3001589//Homo sapiens chromosome 17, clone hRPK.1096_G_20, complete sequence.//0.066:360:60//AC005410
 R-NT2RP3001607//CIT-HSP-2010M8.TR CIT-HSP Homo sapiens genomic clone 2010M8, genomic survey sequence.//0.041:194:67//B53490
 45 R-NT2RP3001608//Human DNA sequence from PAC 296K21 on chromosome X contains cytokeratin exon, delta-aminolevulinic synthase (erythroid); 5-aminolevulinic acid synthase (EC 2.3.1.37), 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (EC 2.7.1.105, EC 3.1.3.46), ESTs and STS.//0.69:151:64//Z83821
 R-NT2RP3001621//Human DNA sequence from clone 24c18 on chromosome 6p21:31-22.2 Contains zinc finger protein pseudogene, VNO-type olfactory receptor pseudogene, nuclear envelope pore membrane protein, EST, STS, GSS, complete sequence.//1.4e-46:354:83//AL021808
 50 R-NT2RP3001629//H.sapiens simple DNA sequence region clone wg1a10.//0.99:137:63//X76572
 R-NT2RP3001634//Homo sapiens TRIAD1 type I mRNA, complete cds.//8.5e-108:541:96//AF099149
 R-NT2RP3001642
 R-NT2RP3001646//HS_3218_A2_A01_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3218 Col=2 Row=A, genomic survey sequence.//2.6e-32:215:91//AQ303003
 55 R-NT2RP3001671//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-88, complete sequence.//0.018:262:61//AL010157
 R-NT2RP3001672

- R-NT2RP3001676//Homo sapiens cosmid Q95D4, chromosome 21 5' of IFNAR2 //2.1e-48:413:77//AF039905
 R-NT2RP3001678//RPC111-50C17.TK RPC111 Homo sapiens genomic clone R-50C17, genomic survey sequence //0.15:232:62//AQ116359
- 5 R-NT2RP3001679//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 3/11 //7.8e-104:549:95//AB020860
 R-NT2RP3001688//Homo sapiens PAC clone DJ1048B16 from 7q34-q36, complete sequence //6.6e-41:291:86//AC006019
- R-NT2RP3001690//Plasmodium falciparum chromosome 2, section 52 of 73 of the complete sequence //3.1e-07:433:59//AE001415
- 10 R-NT2RP3001708//Homo sapiens allele 14 fragile site locus (FRA10B) minisatellite sequence //6.0e-06:237:64//AF053523
 R-NT2RP3001712//CITBI-E1-2516N9.TF CITBI-E1 Homo sapiens genomic clone 2516N9, genomic survey sequence //1.5e-95:456:99//AQ279562
- R-NT2RP3001716//Homo sapiens chromosome Y, clone 264,M,20, complete sequence //0.0012:346:58//AC004617
- 15 R-NT2RP3001724//Human HepG2 3' region Mbol cDNA, clone hmd6a06m3 //1.3e-27:163:95//D17273
 R-NT2RP3001730//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 111B22, WORKING DRAFT SEQUENCE //7.6e-43:409:76//Z98200
- R-NT2RP3001739
- 20 R-NT2RP3001752//Human clone 23774 mRNA sequence //1.9e-08:104:84//U79279
 R-NT2RP3001753//CIT-HSP-2379P21.TF CIT-HSP Homo sapiens genomic clone 2379P21, genomic survey sequence //8.8e-06:102:78//AQ113378
- R-NT2RP3001764
- R-NT2RP3001777//Human mRNA for heparan sulfate proteoglycan (glypican) //0.99:166:66//X54232
- 25 R-NT2RP3001782//Homo sapiens mRNA for KIAA0459 protein, partial cds //1.3e-111:549:97//AB007928
 R-NT2RP3001792//Mus musculus myelin gene expression factor (MEF-2) mRNA, partial cds //1.6e-32:266:83//U13262
- R-NT2RP3001799//H.sapiens mRNA for OX40 homologue //8.5e-44:374:79//X75962
- R-NT2RP3001819
- 30 R-NT2RP3001844//Caenorhabditis elegans cosmid C54G7 //0.0042:231:63//U40410
 R-NT2RP3001854//Plasmodium falciparum strain Dd2 heat shock protein 86 (HSP86), O1 (o1), O3 (o3), O2 (o2), CG8 (cg8), CG4 (cg4), CG3 (cg3), CG9 (cg9), CG1 (cg1), CG6 (cg6), chloroquine resistance candidate protein (cg2), and CG7 (cg7) genes, complete cds //1.0:404:59//AF030694
- R-NT2RP3001855
- 35 R-NT2RP3001896//CIT978SK-A-686F10.TV CIT978SK Homo sapiens genomic clone A-636F10, genomic survey sequence //0.0012:68:82//AQ116409
 R-NT2RP3001898//Homo sapiens Chromosome 11p15.5 PAC clone pDJ754h15 containing cdk-inhibitor p57/KIP2 (CDKN1C) gene, complete sequence //0.37:266:65//AC005950
- R-NT2RP3001915//Human BAC clone RG367O17 from 7p15-p21, complete sequence //0.018:144:66//AC002486
- 40 R-NT2RP3001926//Human polyadenylate binding protein (TIA-1) mRNA, complete cds //2.4e-10:77:100//M77142
 R-NT2RP3001929
- R-NT2RP3001931//Homo sapiens full-length insert cDNA clone YU73B11 //1.0e-110:562:96//AF087969
- R-NT2RP3001938//Human DNA sequence from PAC 447B16 on chromosome Xq13.1-Xq13.3 //0.38:386:56//Z95328
- 45 R-NT2RP3001943//Homo sapiens chromosome 5, P1 clone 1076B9 (LBNL H14), complete sequence //0.87:298:61//AC004500
 R-NT2RP3001944//Bos taurus clone CSSM056 satellite DNA sequence //0.0095:76:78//U03836
- R-NT2RP3001969//Homo sapiens chromosome 12p13.3 clone RPC111-350L7, WORKING DRAFT SEQUENCE, 72 unordered pieces //7.0e-109:552:96//AC005844
- 50 R-NT2RP3001989//Caenorhabditis elegans cosmid C01A2, complete sequence //0.15:111:68//Z81029
 R-NT2RP3002002//Plasmodium falciparum 14-3-3 protein gene, partial cds //0.016:286:60//AF065987
- R-NT2RP3002004//H.sapiens mRNA for FAST kinase //5.1e-41:335:82//X86779
- R-NT2RP3002007
- 55 R-NT2RP3002014//Human DNA sequence from clone 228A9 on chromosome 22q12.3-13.32 Contains 85 KDA CALCIUM-INDEPENDENT PHOSPHOLIPASE A2, EST, GSS, CpG island, complete sequence //6.6e-41:297:86//AL022322
- R-NT2RP3002033
- R-NT2RP3002045//Drosophila melanogaster fat protein (fat) gene, complete cds //0.77:320:60//M80537

- R-NT2RP3002054//Caenorhabditis elegans cosmid Y69H2, complete sequence//0.82:362:57//Z98877
 R-NT2RP3002056//F.rubripes GSS sequence, clone 020E22bF7, genomic survey sequence//0.010:185:63//Z87006
 R-NT2RP3002057
 5 R-NT2RP3002062//Human BAC clone RG356F09 from 7p21, complete sequence//1.7e-17:164:81//AC004002
 R-NT2RP3002081//HS_3082_A1_G09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3082 Col=17 Row=M, genomic survey sequence//4.2e-25:344:73//AQ122260
 R-NT2RP3002097//Homo sapiens Xp22-150 BAC GSHB-309P15 (Genome Systems Human BAC Library) complete sequence//2.6e-23:212:80//AC006210
 10 R-NT2RP3002102//Homo sapiens BAC clone RG290G13 from 7q21, complete sequence//0.43:168:64//AC004746
 R-NT2RP3002108//CIT-HSP-2346P16.TF CIT-HSP Homo sapiens genomic clone 2346P16, genomic survey sequence//3.5e-08:110:78//AQ059071
 15 R-NT2RP3002146//Streptococcus gordonii competence factor (comC) and histidine protein kinase (comD) genes, complete cds, and response regulator (comE) gene, partial cds//0.11:534:55//U80077
 R-NT2RP3002147//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 329F2, WORKING DRAFT SEQUENCE//4.1e-108:551:96//AL031710
 R-NT2RP3002151//Mus musculus mRNA for Guanine Nucleotide Regulatory Protein, complete cds//6.8e-62:347:80//AB003503
 20 R-NT2RP3002163//Anolis pulchellus vitellogenin mRNA, partial cds//0.77:281:63//U46857
 R-NT2RP3002165
 R-NT2RP3002166//D.sargus satellite DNA (clone PSE3)//0.81:124:62//Z48711
 R-NT2RP3002173
 25 R-NT2RP3002181//HS-1042-A2-F01-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 824 Col=2 Row=K, genomic survey sequence//1.3e-35:305:81//B36980
 R-NT2RP3002244//Caenorhabditis elegans cosmid R11E3//0.0024:393:61//AF100669
 R-NT2RP3002248//Human DNA sequence from PAC 170A21 on chromosome 22q12-qter contains ESTs//0.30:217:63//Z82189
 30 R-NT2RP3002255
 R-NT2RP3002273//Homo sapiens BAC clone 393I22 from 8q21, complete sequence//0.84:463:57//AF070717
 R-NT2RP3002276//HS_2260_A1_MF_E07 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2260 Col=13 Row=I, genomic survey sequence//0.0017:198:63//AQ292491
 R-NT2RP3002303//Human HMG-17 gene for non-histone chromosomal protein HMG-17//7.4e-93:510:93//X13546
 35 R-NT2RP3002304//Human BAC clone GS188P18, complete sequence//6.3e-09:477:59//AC000115
 R-NT2RP3002330//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces//0.087:388:58//AC004688
 R-NT2RP3002343
 40 R-NT2RP3002351//Homo sapiens chromosome Y, clone 264.M.20, complete sequence//0.20:489:56//AC004617
 R-NT2RP3002352//Homo sapiens mRNA for protein encoded by cxorf5 (71-7A) gene//2.4e-104:516:94//Y15164
 R-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds//4.7e-102:524:95//AB014578
 R-NT2RP3002484
 R-NT2RP3002501//Human DNA sequence from PAC 92M18, BRCA2 gene region chromosome 13q12-13 contains BRCA2 exons 25, 26 and 27 ESTs and STS//5.2e-17:232:75//Z73359
 45 R-NT2RP3002512
 R-NT2RP3002529//CIT-HSP-2340H2.TR CIT-HSP Homo sapiens genomic clone 2340H2, genomic survey sequence//0.81:266:58//AQ057387
 R-NT2RP3002545//Homo sapiens mRNA for KIAA0729 protein, partial cds//3.3e-82:438:94//AB018272
 50 R-NT2RP3002549//Medicago truncatula ENBP1 gene, exons 1 to 12//0.95:381:56//AJ002479
 R-NT2RP3002566//HS_2036_A1_D08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2036 Col=15 Row=G, genomic survey sequence//0.18:162:64//AQ230627
 R-NT2RP3002587//Homo sapiens clone DJ1090E20, WORKING DRAFT SEQUENCE, 4 unordered pieces//5.1e-15:213:73//AC004956
 55 R-NT2RP3002590//Arabidopsis thaliana genomic DNA; chromosome 5, P1 clone: MXK3, complete sequence//0.00010:431:59//AB019236
 R-NT2RP3002602//Mus musculus stannin gene, complete cds//1.6e-20:339:70//AF030522
 R-NT2RP3002603

EP 1 074 617 A2

R-NT2RP3002631//Homo sapiens chromosome 21 PAC
 RPCIP704A9190Q2//1.0:241:59//AJ006997
 R-NT2RP3002659//Rat sodium-hydrogen exchange protein-isoform 3 (NHE-3) mRNA, complete cds//6.8e-24:
 331:76//M85300
 5 R-NT2RP3002660//H.sapiens partial gene for progesterone receptor and Alu element DNA//9.8e-43:273:82//
 Z49816
 R-NT2RP3002663//Lymnaea stagnalis 16S ribosomal RNA gene, mitochondrial gene encoding ribosomal RNA,
 partial sequence//0.60:300:59//U82072
 R-NT2RP3002671//S.pombe chromosome III cosmid c553//1.2e-20:399:66//AL023704
 10 R-NT2RP3002682//RPCI11-44K6.TJ RPCI11 Homo sapiens genomic clone R-44K6, genomic survey sequence//
 4.7e-09:122:77//AQ202481
 R-NT2RP3002687//P.falciparum complete gene map of plastid-like DNA (IR-B)//1.1e-07:494:59//X95276
 R-NT2RP3002688//Human 7SL RNA sequence//2.7e-32:290:79//X01037
 R-NT2RP3002701
 15 R-NT2RP3002713//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 167A19, WORKING
 DRAFT SEQUENCE//0.95:334:59//AL031427
 R-NT2RP3002763//***ALU WARNING: Human Alu-J subfamily consensus sequence//3.9e-40:288:85//U14567
 R-NT2RP3002770//R.prowazekii genomic DNA fragment (clone A615F)//0.21:174:63//Z82710
 R-NT2RP3002785//Homo sapiens PAC clone DJ0170D19 from Xq23, complete sequence//0.78:354:59//
 20 AC004822
 R-NT2RP3002799//Homo sapiens X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and flank-
 ing repeat regions//1.1e-20:161:77//AF003528
 R-NT2RP3002810//Caenorhabditis elegans cosmid F10D2//0.28:441:56//AF022972
 R-NT2RP3002818//HS_3053_A2_A08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 25 nomic clone Plate=3053 Col=16 Row=A, genomic survey sequence//0.19:220:60//AQ135025
 R-NT2RP3002861//P.falciparum complete gene map of plastid-like DNA (IR-B)//9.3e-05:414:60//X95276
 R-NT2RP3002869//Homo sapiens chromosome 19, cosmid F21967, complete sequence//0.14:165:64//
 AC005256
 R-NT2RP3002876//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 50024, WORKING
 30 DRAFT SEQUENCE//2.6e-59:311:96//AL034380
 R-NT2RP3002877//Homo sapiens Xp22 bins 87-93 PAC RPCI1-122K4 (Roswell Park Cancer Institute Human
 PAC Library) complete sequence//4.6e-24:422:63//AC003035
 R-NT2RP3002909//Homo sapiens mRNA for KIAA0771 protein, partial cds//4.7e-109:570:95//AB018314
 R-NT2RP3002911//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence//3.1e-16:471:64//
 35 AC005014
 R-NT2RP3002948//, complete sequence//4.5e-94:516:93//AC005500
 R-NT2RP3002953//Homo sapiens chromosome 5, BAC clone 34j15 (LBNL H169), complete sequence//3.4e-111:
 566:96//AC005754
 R-NT2RP3002955//Plasmodium falciparum chromosome 2, section 28 of 73 of the complete sequence//0.19:424:
 40 58//AE001391
 R-NT2RP3002969//Rat mRNA for brain acyl-CoA synthetase II, complete cds//1.1e-89:562:88//D30666
 R-NT2RP3002972//Stealth virus 5 clone C1311 T7 genomic sequence//1.0:122:67//AF067482
 R-NT2RP3002978//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 455J7, WORKING
 45 DRAFT SEQUENCE//4.8e-05:249:63//AL031733
 R-NT2RP3002988//Human DNA sequence from PAC 106H8 on chromosome 1q24. Contains PHOSPHATI-
 DYLINISITOL-GLYCAN class C (PIG-C) and DYNAMIN-3 genes. Contains ESTs and STSs and a CpG island//
 0.0097:246:67//Z97195
 R-NT2RP3003008//Mus musculus major histocompatibility locus class III regions Hsc70t gene, partial cds; smRNP,
 G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26 genes, complete cds; and unknown genes//1.9e-24:
 50 188:78//AF109905
 R-NT2RP3003032//Arabidopsis thaliana (clone DW1) DNA retrotransposon Ta11-1 integration site//5.3e-07:376:
 63//L47211
 R-NT2RP3003059//Homo sapiens chromosome 3, clone hRPK.165_I_16, complete sequence//1.4e-13:323:66//
 AC005669
 55 R-NT2RP3003061//Homo sapiens mRNA from HIV associated non-Hodgkin's lymphoma (clone hli-10)//3.8e-42:
 265:91//Y16708
 R-NT2RP3003068//HS_3214_B2_G09_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3214 Col=18 Row=N, genomic survey sequence//0.025:207:64//AQ181894

R-NT2RP3003071//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 510D11, WORKING DRAFT SEQUENCE //0.00014:329:60//Z98044
R-NT2RP3003078//T26A1 TF TAMU Arabidopsis thaliana genomic clone T26A1, genomic survey sequence //0.95:219:63//B27013
5 R-NT2RP3003101//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces //1.4e-05:285:62//AC004153
R-NT2RP3003121//Homo sapiens full-length insert cDNA clone ZD62D10 //2.1e-47:242:98//AF086348
R-NT2RP3003133//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 228H13, WORKING DRAFT SEQUENCE //1.4e-21:199:75//AL031985
10 R-NT2RP3003138//Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds //5.1e-14:287:68//D12646
R-NT2RP3003139//Rattus norvegicus kappa opioid receptor gene, exon 4 and complete cds //1.5e-13:122:80//U17995
R-NT2RP3003150
15 R-NT2RP3003157//Homo sapiens 12q15 BAC GSHB-410F4 (Genome Systems Human Bac Library) complete sequence //5.5e-42:289:74//AC005294
R-NT2RP3003185//HS_2058_A1_H03_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2058 Col=5 Row=O, genomic survey sequence //0.025:52:94//AQ231298
R-NT2RP3003193//Homo sapiens chromosome 17, clone hRPK.628_E_12, complete sequence //4.8e-40:349:79//AC005701
20 R-NT2RP3003197//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 36411, WORKING DRAFT SEQUENCE //5.2e-10:180:71//AL031319
R-NT2RP3003203//Mus musculus IFN alpha-treated embryonic fibroblast mRNA //1.8e-11:148:77//U51904
R-NT2RP3003204//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 892F13, WORKING DRAFT SEQUENCE //6.6e-41:282:86//AL009183
25 R-NT2RP3003212//Homo sapiens full-length insert cDNA clone ZB91B11 //1.7e-68:363:95//AF086173
R-NT2RP3003230//Caenorhabditis elegans cosmid T12B5 //0.0018:279:64//AF100307
R-NT2RP3003242//Homo sapiens chromosome 7 clone UWGC:g3586a160 from 7p14-15, complete sequence //1.0:346:57//AC005272
30 R-NT2RP3003251//Homo sapiens BAC clone RG060N22 from 7q21, complete sequence //2.5e-10:436:62//AC003083
R-NT2RP3003264//CIT-HSP-2296M7.TR CIT-HSP Homo sapiens genomic clone 2296M7, genomic survey sequence //5.8e-05:308:61//AQ005862
R-NT2RP3003278//Human HepG2 partial cDNA, clone hmd3b11m5 //9.4e-47:302:89//D17022
35 R-NT2RP3003282//Homo sapiens dynamin (DNM) mRNA, complete cds //7.4e-101:550:93//L36983
R-NT2RP3003290//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 460J8, WORKING DRAFT SEQUENCE //3.0e-22:228:78//AL031662
R-NT2RP3003301
40 R-NT2RP3003302//CIT-HSP-2319H19.TF CIT-HSP Homo sapiens genomic clone 2319H19, genomic survey sequence //1.5e-69:367:95//AQ034950
R-NT2RP3003311//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces //5.1e-08:398:64//AC005505
R-NT2RP3003313//Caenorhabditis elegans cosmid F39B1, complete sequence //0.00022:436:58//Z69660
45 R-NT2RP3003327//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-237H1 ~complete genomic sequence, complete sequence //1.5e-16:334:70//AC002287
R-NT2RP3003330//Homo sapiens full-length insert cDNA YI24C02 //4.4e-96:458:99//AF075015
R-NT2RP3003344//HS_3235_B2_H09_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3235 Col=18 Row=P, genomic survey sequence //4.1e-18:197:80//AQ303203
R-NT2RP3003346
50 R-NT2RP3003353//CITBI-E1-2523B18.TR CITBI-E1 Homo sapiens genomic clone 2523B18, genomic survey sequence //8.3e-06:130:73//AQ278834
R-NT2RP3003377//Homo sapiens clone DJ0919J22, WORKING DRAFT SEQUENCE, 34 unordered pieces //1.9e-97:481:94//AC005519
R-NT2RP3003384//Homo sapiens clone DJ0038I10, WORKING DRAFT SEQUENCE, 5 unordered pieces //2.3e-10:226:71//AC004820
55 R-NT2RP3003385
R-NT2RP3003403//Human DNA sequence from clone 227L5 on chromosome Xp11.22-11.3. Contains a Keratin, Type 1 Cytoskeletal 18 (KRT18, CYK18, K18, CK18) pseudogene and an STS, complete sequence //2.8e-40:496:

- 72//AL031585
 R-NT2RP3003409//Rat POU domain factor (Brn-5) mRNA//1.5e-20:375:68//L23204
 R-NT2RP3003411//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 438L4, WORKING
 DRAFT SEQUENCE//1.0:180:61//Z97635
- 5 R-NT2RP3003427//RPCI11-45J23.TJ RPCI11 Homo sapiens genomic clone R-45J23, genomic survey se-
 quence//0.82:162:69//AQ195566
 R-NT2RP3003433//Homo sapiens BAC clone NH0044G14 from 7q11.23-21.1, complete sequence//1.1e-10:379:
 61//AC006031
- 10 R-NT2RP3003464//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//1.1e-95:479:96//
 AF004828
 R-NT2RP3003490//Homo sapiens mRNA for KIAA0725 protein, partial cds//1.3e-100:527:93//AB018268
 R-NT2RP3003491//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence//4.0e-08:
 495:59//AE001398
- 15 R-NT2RP3003500//W.suaveolens mitochondrial ATP9 gene//0.0074:514:59//X77238
 R-NT2RP3003543//Human clone A9A2BRB7 (CAC)_n/(GTG)_n repeat-containing mRNA//1.3e-31:217:88//
 U00952
 R-NT2RP3003552
 R-NT2RP3003555//Dictyostelium discoideum interaptin (abpD) gene, complete cds//0.98:321:61//AF057019
 R-NT2RP3003564
- 20 R-NT2RP3003572//Human DNA sequence from BAC 992D9 on chromosome 22q12.1 contains STS //0.0015:507:
 59//AL008638
 R-NT2RP3003576//Human Chromosome 16 BAC clone CIT987SK-A-61E3, complete sequence//1.2e-39:359:
 79//AC003007
- 25 R-NT2RP3003589//Plasmodium falciparum MAL3P8, complete sequence//0.014:539:58//AL034560
 R-NT2RP3003625//Human DNA sequence from clone 1042K10 on chromosome 22q13.1-13.2. Contains the AD-
 SL gene for Adenylosuccinate lyase (EC 4.3.2.2, Adenylosuccinase, ASL) and 4 novel genes (one with probable
 rabGAP domains and Src homology domain 3). Contains ESTs, STSs, GSSs and a putative CpG island, complete
 sequence//1.8e-44:448:77//AL022238
- 30 R-NT2RP3003656//Homo sapiens chromosome 17, clone hRPK.401_O_9, complete sequence//0.34:257:62//
 AC005291
 R-NT2RP3003659//O.fuscipennis 16S rRNA gene, partial//0.021:145:65//Z93701
 R-NT2RP3003665//HS_3078_B2_C09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3078 Col=18 Row=F, genomic survey sequence//1.3e-75:397:95//AQ140580
 R-NT2RP3003672
- 35 R-NT2RP3003686
 R-NT2RP3003701//Human BAC clone GS310A05 from 7q21-q22, complete sequence//6.4e-17:464:62//
 AC002452
 R-NT2RP3003716//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 774G10, WORKING
 DRAFT SEQUENCE//0.00072:425:62//AL034410
- 40 R-NT2RP3003726//Homo sapiens mRNA for KIAA0757 protein, complete cds//1.7e-101:492:97//AB018300
 R-NT2RP3003746//Homo sapiens Chromosome 16 BAC clone CIT987-SK502C10, complete sequence//3.7e-
 07:217:66//AC003009
 R-NT2RP3003795//Human DNA sequence from clone 505B13 on chromosome 1p36.2-36.3 Contains CA repeat
 and GSSs, complete sequence//8.1e-26:456:68//Z98052
- 45 R-NT2RP3003799//cSRL-138g10-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic
 clone cSRL-138g10, genomic survey sequence//4.9e-09:117:77//B01736
 R-NT2RP3003800//Homo sapiens tyrosine kinase pp60c-src (SRC) gene, exon 12 and partial cds//2.8e-106:551:
 95//AF077754
 R-NT2RP3003805
- 50 R-NT2RP3003809//Homo sapiens full-length insert cDNA clone YZ95A01//3.6e-106:533:97//AF086107
 R-NT2RP3003819//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 34606, WORKING
 DRAFT SEQUENCE//6.0e-44:288:81//Z84487
 R-NT2RP3003825//Mus domesticus interleukin 1 receptor antagonist (IL-1RA) mRNA//0.0014:410:58//M64404
 R-NT2RP3003828
- 55 R-NT2RP3003831//****ALU WARNING: Human Alu-J subfamily consensus sequence//2.3e-41:289:85//U14567
 R-NT2RP3003833//Homo sapiens clones 24718 and 24825 mRNA sequence//1.6e-108:541:97//AF070611
 R-NT2RP3003842//Homo sapiens Xp22 BAC 620F15 (Genome Systems BAC library) complete sequence//1.5e-
 46:457:74//AC002980

- R-NT2RP3003846//*Plasmodium falciparum* MAL3P3, complete sequence.//3.5e-06:356:62//Z98547
 R-NT2RP3003870//Homo sapiens full-length insert cDNA clone ZD75H11 //8.2e-09:68:98//AF086402
 R-NT2RP3003876//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1018D12, WORK-
 ING DRAFT SEQUENCE.//0.0027:180:66//AL031650
 5 R-NT2RP3003914//*Dictyostelium discoideum* DNA for transposable element Tdd-3 tandem array.//0.029:234:62//
 X53439
 R-NT2RP3003918
 R-NT2RP3003932//*Mus musculus* MRC OX-2 antigen homolog gene, exons 2-5, and complete cds.//0.00087:164:
 67//AF029215
 10 R-NT2RP3003989
 R-NT2RP3003992//Sequence 1 from patent US 5591825.//0.56:235:59//I33465
 R-NT2RP3004013//HS_3018_A1_G09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3018 Col=17 Row=M, genomic survey sequence.//0.00026:421:60//AQ119904
 R-NT2RP3004016//*Drosophila melanogaster* DNA sequence (P1s DS03465 (D149) and DS08544 (D187)), com-
 15 plete sequence.//4.8e-12:308:62//AC004532
 R-NT2RP3004041//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 598F2, WORKING
 DRAFT SEQUENCE.//0.42:190:64//AL021579
 R-NT2RP3004051//Homo sapiens chromosome 19, BAC CIT-B-191n6, complete sequence.//3.6e-21:332:69//
 AC006130
 20 R-NT2RP3004070//*Plasmodium falciparum* 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING
 DRAFT SEQUENCE, 5 unordered pieces.//2.0e-05:476:57//AC005308
 R-NT2RP3004078//Homo sapiens chromosome 19, cosmid R30335, complete sequence.//2.0e-86:486:93//
 AC005784
 R-NT2RP3004093//Human PAC clone 257C22A from 13q12-q13, complete sequence.//5.3e-11:230:69//
 25 AC002525
 R-NT2RP3004095//Homo sapiens clone NH0486I22, WORKING DRAFT SEQUENCE, 5 unordered pieces.//7.5e-
 93:551:92//AC005038
 R-NT2RP3004110//Homo sapiens 12p13.3 PAC RPCI5-940J5 (Roswell Park Cancer Institute Human PAC Library)
 complete sequence.//1.6e-104:317:100//AC006064
 30 R-NT2RP3004125//*Pongo pygmaeus* CT microsatellite, clone #3, from the tandemly repeated genes encoding U2
 small nuclear RNA (RNU2 locus).//0.73:168:60//U36532
 R-NT2RP3004145//Homo sapiens full-length insert cDNA clone ZE09H03.//2.3e-89:427:99//AF086542
 R-NT2RP3004148//*Arabidopsis thaliana* chromosome II BAC T1B8 genomic sequence, complete sequence.//
 0.013:134:70//U78721
 35 R-NT2RP3004155//Homo sapiens PAC clone DJ0320J15 from Xq23, complete sequence.//3.8e-10:101:87//
 AC004081
 R-NT2RP3004206//Homo sapiens clone DJ0794K21, complete sequence.//1.5e-06:442:57//AC005533
 R-NT2RP3004207//Mouse mRNA for seizure-related gene product 6.//1.7e-07:220:69//D29763
 R-NT2RP3004209//Human cosmid Q7A10 (D21S246) insert DNA, complete sequence.//7.3e-89:504:92//D42052
 40 R-NT2RP3004215//*Caenorhabditis elegans* cosmid F11A6, complete sequence.//0.018:353:59//Z81498
 R-NT2RP3004242//*Plasmodium falciparum* chromosome 2, section 52 of 73 of the complete sequence.//4.5e-06:
 407:60//AE001415
 R-NT2RP3004246//Homo sapiens chromosome 10 clone CIT987SK-1010K1 map 10q25, complete sequence.//
 2.8e-105:534:97//AC005385
 45 R-NT2RP3004253//RPCI11-78J12.TJ RPCI11 Homo sapiens genomic clone R-78J12, genomic survey se-
 quence.//4.0e-64:382:90//AQ281324
 R-NT2RP3004258//*Rattus norvegicus* Zis mRNA, complete cds.//7.0e-60:417:84//AF013967
 R-NT2RP3004262//*Mus musculus* heat shock protein hsp40-3 gene, complete cds.//2.7e-43:528:73//AF092536
 R-NT2RP3004334//Homo sapiens chromosome 17, clone hRPC.1110_E_20, complete sequence.//1.4e-06:435:
 50 62//AC004231
 R-NT2RP3004341//CITBI-E1-2503F11. TR CITBI-E1 Homo sapiens genomic clone 2503F11, genomic survey se-
 quence.//0.0018:210:65//AQ263365
 R-NT2RP3004348//Homo sapiens chromosome 17, clone hRPK.85_B_7, complete sequence.//7.1 e-46:340:83//
 AC005695
 55 R-NT2RP3004349//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 117O3, WORKING
 DRAFT SEQUENCE.//9.4e-29:263:79//AL020995
 R-NT2RP3004378//Human DNA sequence from PAC 27K14 on chromosome Xp11.3-Xp11.4. Contains monoam-
 ine oxidase B (MAOB), ESTs and polymorphic CA repeats.//2.0e-67:422:90//Z95125

R-NT2RP3004399//HIS_3046_A1_E02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3046 Col=3 Row=I, genomic survey sequence.//0.00014:186:67//AQ137619
R-NT2RP3004424//RPC111-59I14.TJ RPC111 Homo sapiens genomic clone R-59I14, genomic survey sequence.//7.4e-71:370:95//AQ201461

5 R-NT2RP3004428//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y66A7, WORKING DRAFT SEQUENCE.//0.096:205:64//AL022282
R-NT2RP3004451//Arabidopsis thaliana chromosome II BAC F15K20 genomic sequence, complete sequence.//0.0029:396:60//AC005824
R-NT2RP3004454//Homo sapiens mRNA for KIAA0448 protein, complete cds.//2.9e-106:526:98//AB007917

10 R-NT2RP3004466
R-NT2RP3004470//Homo sapiens chromosome 5, Bac clone 5m9 (LBNL H220), complete sequence.//8.3e-06:229:64//AC005895
R-NT2RP3004472//Plasmodium falciparum 3D7 chromosome 12 PFYAC1383 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.87:442:59//AC005504

15 R-NT2RP3004475//Homo sapiens mRNA for KIAA0456 protein, partial cds.//1.6e-105:521:97//AB007925
R-NT2RP3004480//Mus musculus maternal-embryonic 3 (Mem3) mRNA, complete cds.//3.9e-38:322:81//U47024
R-NT2RP3004490//Homo sapiens PAC clone 166H1 from 12q, complete sequence.//4.2e-96:527:92//AC003982
R-NT2RP3004498//Homo sapiens clone DJ1147A01, WORKING DRAFT SEQUENCE, 25 unordered pieces.//2.3e-43:342:82//AC006023

20 R-NT2RP3004503//Human cosmid g1572c101, complete sequence.//2.3e-25:392:68//AC000357
R-NT2RP3004504//M.musculus mRNA for CPEB protein.//1.8e-28:387:70//Y08260
R-NT2RP3004507
R-NT2RP3004527//Homo sapiens chromosome 14, BAC CITB-135H17 containing the RAD51L1 gene, complete sequence.//0.68:244:62//AC004518

25 R-nnnnnnnnnnnn//Mouse oncogene (ect2) mRNA, complete cds.//2.6e-79:525:84//L11316
R-NT2RP3004544
R-NT2RP3004566
R-NT2RP3004569//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.96:296:58//AC004709

30 R-NT2RP3004572//Homo sapiens BAC clone RG281G05 from 7p15-p21, complete sequence.//8.2e-12:457:63//AC005083
R-NT2RP3004578//Homo sapiens mRNA for KIAA0477 protein, complete cds.//2.4e-97:488:96//AB007946
R-NT2RP3004594//Homo sapiens BAC clone NH0436H22 from 2, complete sequence.//1.7e-10:368:61//AC005234

35 R-NT2RP3004617
R-NT2RP3004618//F2H16TF IGF Arabidopsis thaliana genomic clone F2H16, genomic survey sequence.//0.96:212:64//B26414
R-NT2RP3004670//Homo sapiens GN6ST mRNA for N-acetylglucosamine-6-O-sulfotransferase (GlcNAc6ST), complete cds.//2.2e-55:291:95//AB014679

40 R-NT2RP4000008//H.sapiens polyA site DNA sequence.//2.5e-25:202:85//Z24749
R-NT2RP4000023//CIT-HSP Homo sapiens genomic clone 2372A9, genomic survey sequence.//3.6e-51:313:89//AQ112388
R-NT2RP4000035//Homo sapiens clone GS166C05, WORKING DRAFT SEQUENCE, 7 unordered pieces.//4.3e-69:536:81//AC005015

45 R-NT2RP4000049//Homo sapiens TRAIL receptor 2 mRNA, complete cds.//2.1e-58:289:82//AF016266
R-NT2RP4000051//Homo sapiens Chromosome 22q11.2 Cosmid Clone 20b In DGCR Region, complete sequence.//0.56:462:58//AC000074
R-NT2RP4000078//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.00021:460:60//AC005506

50 R-NT2RP4000102//Homo sapiens chromosome 5, PAC clone 17e19 (LBNL H148), complete sequence.//1.6e-08:518:58//AC004648
R-NT2RP4000109//Homo sapiens mRNA for MEGF5, partial cds.//3.5e-106:536:96//AB011538
R-NT2RP4000129//Homo sapiens mRNA for KIAA0483 protein, partial cds.//1.1e-110:554:97//AB007952
R-NT2RP4000147

55 R-NT2RP4000150//Rat proto-oncogene (Ets-1) mRNA, complete cds.//3.5e-46:395:83//L20681
R-NT2RP4000151
R-NT2RP4000159//Caenorhabditis elegans cosmid R02F11 //0.00011:261:63//AF016439
R-NT2RP4000167//RPC111-59L8.TK RPC111 Homo sapiens genomic clone R-59L8, genomic survey sequence.//

5:

R-NT2RP4000528//Homo sapiens chromosome 17, clone hRPK.138_P_22, complete sequence.//0.99:158:66//AC005697

R-NT2RP4000541//Homo sapiens Chromosome 22q11.2 Cosmid Clone 33e In DGCR Region, complete sequence.//1.0:309:59//AC000078

5 R-NT2RP4000556//Rattus norvegicus cell cycle protein p55CDC gene, complete cds.//0.0031:126:72//AF052695

R-NT2RP4000588//Homo sapiens BAC clone RG208K23 from 7q31, complete sequence.//1.0:186:64//AC004161

R-NT2RP4000614//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-62, complete sequence.//1.4e-06:526:58//AL009013

10 R-NT2RP4000638//Homo sapiens chromosome 17, clone hCIT.468_F_23, WORKING DRAFT SEQUENCE, 3 unordered pieces.//6.9e-48:497:75//AC004666

R-NT2RP4000648//CIT-HSP-230017.TR CIT-HSP Homo sapiens genomic clone 230017, genomic survey sequence.//0.22:110:68//AQ012747

R-NT2RP4000657//Lycodichthys dearborni type III antifreeze peptide gene, clone 5'LD-1/NotI-EcoRI subclone SphI-XbaI, partial cds.//0.0065:189:63//U20443

15 R-NT2RP4000704//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 409J21, WORKING DRAFT SEQUENCE.//0.22:334:60//Z83824

R-NT2RP4000724//Homo sapiens Chromosome 22q11.2 Cosmid Clone 56c In DGCR Region, complete sequence.//2.2e-70:448:88//AC000080

R-NT2RP4000728//CIT-HSP-2310K14.TF CIT-HSP Homo sapiens genomic clone 2310K14, genomic survey sequence.//0.00013:289:61//AQ019669

20 R-NT2RP4000739//Homo sapiens chromosome 12p13.3, WORKING DRAFT SEQUENCE, 21 unordered pieces.//0.53:254:61//AC004765

R-NT2RP4000781//P.cepacia fusaric acid-resistance genes encoding 5 proteins, complete cds.//1.0:392:59//D12503

25 R-NT2RP4000817//Homo sapiens Xp22 BAC GSHB 526D21 (Genome Systems Human BAC library) complete sequence.//0.59:378:58//AC003037

R-NT2RP4000833//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y313F4, WORKING DRAFT SEQUENCE.//3.4e-53:307:85//AL023808

R-NT2RP4000837//Homo sapiens T-cell receptor alpha delta locus from bases 501613 to 752736 (section 3 of 5) of the Complete Nucleotide Sequence.//7.0e-50:367:77//AE000660

30 R-NT2RP4000855

R-NT2RP4000865//Homo sapiens chromosome 17, clone HRPC905N1, complete sequence.//1.5e-78:479:88//AC003098

R-NT2RP4000878//Mus musculus mRNA for myeloid associated differentiation protein.//4.5e-09:186:69//AJ001616

35 R-NT2RP4000879//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//7.8e-08:364:60//AC004153

R-nnnnnnnnnnnn//Human S-adenosylmethionine decarboxylase (AMD1) gene, exons 5-9.//3.5e-90:459:96//M88006

40 R-nnnnnnnnnnnn//H.sapiens ung gene for uracil DNA-glycosylase.//7.6e-09:392:61//X89398

R-NT2RP4000925//Rattus norvegicus Shal-related potassium channel Kv4.3 mRNA, complete cds.//5.8e-45:264:92//U42975

R-nnnnnnnnnnnn//epstein-barr virus simple repeat array (ir3).//0.00012:367:61//J02079

45 R-NT2RP4000928//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MCL19, complete sequence.//1.0:138:68//AB006698

R-NT2RP4000929//Human DNA sequence from PAC 293L6 on chromosome 22, complete sequence.//0.45:288:62//Z82197

R-NT2RP4000955//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 633O19, WORKING DRAFT SEQUENCE.//1.1e-09:322:62//AL022302

50 R-NT2RP4000973//Homo sapiens X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions.//2.3e-06:326:62//AF003528

R-NT2RP4000975

R-NT2RP4000979//HS_3009_B1_F08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3009 Col=15 Row=L, genomic survey sequence.//2.3e-14:117:89//AQ090957

55 R-NT2RP4000984//Human immunodeficiency virus type 1 envelope glycoprotein (env) gene, C2-V3 region, isolate HIV194UG011TIN.01_di1PD, partial cds.//0.11:219:62//U44882

R-NT2RP4000989//Sequence 30 from patent US 5552281.//3.5e-25:154:97//I25669

R-NT2RP4000996//Plasmodium falciparum strain Dd2 heat shock protein 86 (HSP86), O1 (o1), O3 (o3), O2 (o2).

- CG8 (cg8), CG4 (cg4), CG3 (cg3), CG9 (cg9), CG1 (cg1), CG6 (cg6), chloroquine resistance candidate protein (cg2), and CG7 (cg7) genes, complete cds.//3.8e-07:421:59//AF030694
 R-NT2RP4000997//Homo sapiens chromosome 17, clone 104H12, complete sequence.//4.2e-37:499:72//AC000003
- 5 R-NT2RP4001004//HS_3163_A2_H02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3163 Col=4 Row=O, genomic survey sequence.//2.8e-38:241:90//AQ168515
 R-NT2RP4001006//Homo sapiens clone DJ1147A01, WORKING DRAFT SEQUENCE, 25 unordered pieces.//7.1e-55:372:73//AC006023
 R-NT2RP4001010//Homo sapiens full-length insert cDNA clone ZD38E12.//3.3e-09:153:74//AF086247
- 10 R-NT2RP4001029//Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds.//2.1e-34:361:78//U20086
 R-NT2RP4001041//Homo sapiens chromosome 5, BAC clone 282B7 (LBNL H192), complete sequence.//9.9e-84:435:96//AC005216
 R-NT2RP4001057//Homo sapiens KIAA0399 mRNA, partial cds.//6.2e-50:282:94//AB007859
 R-NT2RP4001064//H.sapiens NOS2 gene, exon 15.//0.71:183:61//X85771
- 15 R-NT2RP4001078//Human D-site binding protein gene, exon 4 and complete cds.//1.9e-114:569:97//U48213
 R-NT2RP4001079//Homo sapiens mRNA for putative Ca²⁺-transporting ATPase, partial.//2.4e-118:574:98//AJ010953
 R-NT2RP4001080//Plasmodium falciparum chromosome 2, section 66 of 73 of the complete sequence.//0.013:430:58//AE001429
- 20 R-ntnnnnnnnnnn//Homo sapiens mRNA for KIAA0592 protein, partial cds.//1.8e-119:548:95//AB011164
 R-NT2RP4001095//Homo sapiens cosmid IM0525, LC1233, Qc3C1, LB1439, Qc12C11 and 220B3 from Xq28, complete sequence.//2.8e-39:312:81//AF003626
 R-NT2RP4001100//Human DNA sequence from cosmid U85A3, between markers DXS366 and DXS87 on chromosome X contains rad21 and T-cell cyclophorin pseudogenes, STS.//8.7e-41:389:78//Z78021
- 25 R-NT2RP4001117//Canis familiaris sec61 homologue mRNA, complete cds.//2.8e-12:292:68//M96629
 R-NT2RP4001122//Caenorhabditis elegans cosmid F44D12, complete sequence.//0.97:129:66//Z68298
 R-NT2RP4001126//HS_3146_A1_805_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3146 Col=9 Row=C, genomic survey sequence.//0.013:268:63//AQ141093
 R-NT2RP4001138
- 30 R-NT2RP4001143//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 64K7, WORKING DRAFT SEQUENCE.//1.8e-31:380:68//AL031668
 R-NT2RP4001148//Homo sapiens clone RG332P12, WORKING DRAFT SEQUENCE, 1 unordered pieces.//1.2e-83:325:92//AC005095
 R-NT2RP4001149//Mouse mRNA for thymic epithelial cell surface antigen, complete cds.//8.1e-32:553:67//D67067
- 35 R-NT2RP4001150//AK011 Genomic DNA Hordeum vulgare genomic clone tel44a similar to barley TAS, genomic survey sequence.//0.91:132:63//AQ248412
 R-NT2RP4001159//Cloning vector pAP3neo DNA, complete sequence.//4.0e-118:437:97//AB003468
 R-NT2RP4001174//Homo sapiens 12q24 BAC RPC111-162P23 (Roswell Park Cancer Institute Human BAC library) complete sequence.//1.7e-33:289:82//AC002996
- 40 R-ntnnnnnnnnnn//P.falciparum mRNA for AARP2 protein.//0.93:187:64//Y08924
 R-NT2RP4001207
 R-NT2RP4001210//CIT-HSP-2042D13.TF CIT-HSP Homo sapiens genomic clone 2042D13, genomic survey sequence.//3.8e-06:268:63//B74772
- 45 R-NT2RP4001213//Human zinc finger protein 20 (ZNF20) pentanucleotide repeat polymorphism.//4.7e-16:371:66//M99593
 R-NT2RP4001219//HS_2190_A1_A06_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2190 Col=11 Row=A, genomic survey sequence.//2.4e-06:288:61//AQ216635
 R-NT2RP4001228//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P2, WORKING DRAFT SEQUENCE.//0.024:357:58//AL031745
- 50 R-NT2RP4001235//HS_3047_A1_E07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3047 Col=13 Row=L, genomic survey sequence.//0.0033:301:63//AQ126918
 R-NT2RP4001256//HS_3007_A2_B06_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3007 Col=12 Row=C, genomic survey sequence.//1.5e-11:140:80//AQ118389
- 55 R-NT2RP4001260//Plasmodium falciparum chromosome 2, section 63 of 73 of the complete sequence.//0.0013:486:59//AE001426
 R-NT2RP4001274//RPC111-24O21.TKBF RPCI-11 Homo sapiens genomic clone RPCI-11-24O21, genomic survey sequence.//3.9e-25:142:99//AQ013887

EP 1 074 617 A2

R-nnnnnnnnnnn/Homo sapiens full-length insert cDNA clone ZD55D10//1.2e-10:90:92//AF086334
R-NT2RP4001313//Mus musculus orphan nuclear hormone receptor (CAR) gene, complete sequence//7.7e-23:
466:66//AF009326
5 R-NT2RP4001315//CIT-HSP-2312C6.TR CIT-HSP Homo sapiens genomic clone 2312C6, genomic survey se-
quence//0.98:305:62//AQ018036
R-NT2RP4001339
R-NT2RP4001345
R-NT2RP4001351//Fruitfly strain g20 mitochondrial DNA, A+T-rich region, partial sequence//0.00082:260:59//
AB003097
10 R-NT2RP4001353//RPC111-55N17.TJ RPC111 Homo sapiens genomic clone R-55N17, genomic survey se-
quence//0.74:106:66//AQ081821
R-NT2RP4001372
R-NT2RP4001373//Homo sapiens chromosome 17, clone hRPK.394_K_10, complete sequence//1.5e-09:473:
60//AC006080
15 R-NT2RP4001375
R-NT2RP4001379//CIT-HSP-2335A10.TF CIT-HSP Homo sapiens genomic clone 2335A10, genomic survey se-
quence//9.4e-41:441:75//AQ040083
R-NT2RP4001389//Homo sapiens PAC clone DJ0740D02 from 7p14-p15, complete sequence//2.4e-22:276:73//
AC004691
20 R-NT2RP4001407//Plasmodium falciparum 3D7 chromosome 12.PFYACB8-420 genomic sequence, WORKING
DRAFT SEQUENCE, 14 unordered pieces//0.49:254:61//AC005140
R-NT2RP4001414
R-NT2RP4001433//Human prohibitin (PHB) gene, exons 1-7//6.6e-66:357:90//L14272
R-NT2RP4001442//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING
25 DRAFT SEQUENCE, 5 unordered pieces//0.11:307:59//AC005308
R-NT2RP4001447//cSRL-58d2-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone
cSRL-58d2, genomic survey sequence//0.0039:112:71//B05220
R-NT2RP4001474
R-NT2RP4001483
30 R-NT2RP4001498//Plasmodium falciparum (clone Dd2) heat shock protein 86 gene, complete cds//1.2e-07:339:
61//L34027
R-NT2RP4001502//HS_2187_B1_C10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=2187 Col=19 Row=F, genomic survey sequence//1.3e-20:183:81//AQ214108
R-NT2RP4001507//Arabidopsis thaliana chromosome 1 BAC T17H3 sequence, WORKING DRAFT SEQUENCE,
35 4 unordered pieces//0.15:333:62//AC005916
R-NT2RP4001524//Genomic sequence from Human 13, complete sequence//0.96:159:65//AC001226
R-NT2RP4001529//Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds//9.5e-34:337:80//U20086
R-NT2RP4001547//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING
DRAFT SEQUENCE, 2 unordered pieces//0.00027:336:63//AC004710
40 R-nnnnnnnnnnn//Arabidopsis thaliana BAC T12H20//1.5e-11:517:60//AF080119
R-NT2RP4001555//Human DNA sequence from PAC 481A17 on chromosome X contains ESTs//0.0069:305:62//
Z82212
R-NT2RP4001567//RPC111-61A2.TJ RPC111 Homo sapiens genomic clone R-61A2, genomic survey sequence//
0.0072:180:60//AQ200771
45 R-NT2RP4001568
R-NT2RP4001571//Trypanoplasma borreli kinetoplast ribosomal protein S12 (RPS12), putative cryptogene (GR11),
12S ribosomal RNA, and apocytochrome b (CYb) genes, primary transcripts, and cytochrome c oxidase subunit
III (COIII) gene, complete cds//1.6e-09:555:58//U14181
50 R-NT2RP4001574//HS_2247_B1_B05_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=2247 Col=9 Row=D, genomic survey sequence//1.1e-41:254:90//AQ182345
R-NT2RP4001575//Human DNA sequence from clone 1033B10 on chromosome 6p21.2-21.31. Contains the
BING5 gene, exons 11 to 15 of the BING4 gene, the gene for GalT3 (beta3-Galactosyltransferase), the RPS18
(40S ribosomal protein S18) gene, the SACM2L (suppressor of actin mutation 2, yeast, homolog) gene, a pseu-
dogene similar to TAT-SF1, a Pseudogene similar to zinc finger genes, the RING1 gene, the gene for HKE6
55 (RING2), the gene for HKE4 (RING5), the RXRB (Retinoid X receptor beta) gene, the COL11A2 (collagen, type
XI, alpha 2) gene, the HLA-DPB2 pseudogene and part of the HLA-DPA3 pseudogene. Contains predicted CpG
islands, ESTs, STSs, and GSSs, complete sequence//1.1e-118:567:98//AL031228
R-NT2RP4001592//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1018D12, WORKING

EP 1 074 617 A2

DRAFT SEQUENCE.//2.5e-09:370:61//AL031650
R-NT2RP4001610//Homo sapiens Xp22 Cosmids U15E4, U115H5, U132E12, U115B9 (Lawrence Livermore human cosmid library) complete sequence.//0.99:73:75//AC002364
R-NT2RP4001614
5 R-NT2RP4001634//Homo sapiens full-length insert cDNA clone YU73B11.//5.8e-101:526:94//AF087969
R-NT2RP4001638//Homo sapiens clone 23967 unknown mRNA, partial cds.//5.4e-115:559:97//AF007151
R-NT2RP4001644//M.musculus mRNA for map kinase interacting kinase, Mnk2.//6.8e-33:286:79//Y11092
R-NT2RP4001656//Human Chromosome 11 pac pDJ393o15, WORKING DRAFT SEQUENCE, 8 unordered pieces.//2.2e-109:515:99//AC000384
10 R-NT2RP4001677//Genomic sequence from Human 9q34, complete sequence.//0.19:504:58//AC000397
R-NT2RP4001696//Human chromosome 8 BAC clone CIT987SK-2A8 complete sequence.//4.5e-115:583:96//U96629
R-NT2RP4001725//Human Chromosome 3 pac pDJ70i11, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.98:301:60//AC000380
15 R-NNNNNNNNNN//Caenorhabditis elegans cosmid F48E3.//2.2e-17:328:64//U28735
R-NT2RP4001739//RPC111-74E7.TJ RPC111 Homo sapiens genomic clone R-74E7, genomic survey sequence.//1.1e-08:141:65//AQ268408
R-NT2RP4001753//H.sapiens HZF3 mRNA for zinc finger protein.//1.7e-111:552:96//X78926
R-NT2RP4001760//Mouse oncogene (ect2) mRNA, complete cds.//9.3e-27:358:72//L11316
20 R-NT2RP4001790//Homo sapiens clone GS259H13, WORKING DRAFT SEQUENCE, 4 unordered pieces.//1.7e-99:484:98//AC005020
R-NT2RP4001803//HS_3087_B2_B05_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3087 Col=10 Row=D, genomic survey sequence.//2.7e-96:471:97//AQ121405
R-NT2RP4001822
25 R-NT2RP4001823
R-NT2RP4001828//Human DNA sequence from PAC 179115, BRCA2 gene region chromosome 13q12-q13 contains Klotho ESTs and CpG island.//4.1e-14:136:83//Z92540
R-NT2RP4001838//Plasmodium falciparum chromosome 2, section 9 of 73 of the complete sequence.//2.5e-06:418:60//AE001372
30 R-NT2RP4001849//P.falciparum serine rich protein (SERP I) gene.//0.64:135:67//J03983
R-NT2RP4001889//Homo sapiens PAC clone DJ1182N03 from 7q11.23-q21.1, complete sequence.//4.3e-26:212:82//AC004548
R-NT2RP4001893//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence.//1.8e-111:570:96//AC005014
35 R-NT2RP4001896
R-NT2RP4001901
R-NT2RP4001927//Borrelia burgdorferi (section 32 of 70) of the complete genome.//1.0:242:60//AE001146
R-NT2RP4001938//Human aminopeptidase N gene, exon 1.//3.3e-42:195:85//M55523
R-NT2RP4001946//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.97:371:57//AC004157
40 R-NT2RP4001950//RPC111-69C18.TJ RPC111 Homo sapiens genomic clone R-69C18, genomic survey sequence.//4.7e-91:552:89//AQ236641
R-NT2RP4001953//Homo sapiens DNA sequence from PAC 958B3 on chromosome Xp22.11-Xp22.22. Contains ESTs STS and CpG island.//6.6e-70:325:84//Z93023
45 R-NT2RP4001966//Rat mRNA for growth potentiating factor, complete cds.//5.5e-37:141:86//D42148
R-NT2RP4001975//Human Newcastle disease virus inducible protein mRNA, partial 3'UTR region.//1.0e-46:242:98//U25276
R-NT2RP4002018//RPC111-76I23.TV RPC111 Homo sapiens genomic clone R-76I23, genomic survey sequence.//7.9e-89:438:97//AQ268536
50 R-NT2RP4002047//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 97P20, WORKING DRAFT SEQUENCE.//4.1e-07:325:62//AL031297
R-NT2RP4002052//Human DNA sequence from clone 352E11 on chromosome 22q13.1-13.31. Contains GSSs, complete sequence.//0.31:452:57//AL022353
R-NT2RP4002058//RPC111-69O1.TJ RPC111 Homo sapiens genomic clone R-69O1, genomic survey sequence.//0.23:163:64//AQ268418
55 R-NT2RP4002071//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1172A22, WORKING DRAFT SEQUENCE.//1.1e-11:407:62//AL034386
R-NT2RP4002075//Human DNA sequence from clone 21F7 on chromosome 6q16.1-21. Contains part of an exon

- of a putative new gene and STSs and GSSs, complete sequence.//0.085:350:61//AL033375
 R-NT2RP4002078//RPC111-79116.TV RPC111 Homo sapiens genomic clone R-79116, genomic survey sequence.//3.3e-87:452:95//AQ283131
 R-nnnnnnnnnnnnn
- 5 R-NT2RP4002083//Homo sapiens mineralocorticoid receptor (MLR), exon 5.//0.50:256:61//AF068619
 R-NT2RP4002408//CIT-HSP-2376023.TF CIT-HSP Homo sapiens genomic clone 2376023, genomic survey sequence.//6.8e-62:320:96//AQ111163
 R-NT2RP4002791//Human PAC clone DJ318C15 from Xq23, complete sequence.//0.022:435:61//AC002476
 R-NT2RP4002888//Homo sapiens BAC clone RG067E13 from 7q21, complete sequence.//6.0e-56:660:71//AC002383
- 10 R-NT2RP4002905//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-20, complete sequence.//0.0017:533:57//AL008972
 R-OVARC1000001//Homo sapiens mRNA for KIAA0465 protein, partial cds.//8.7e-114:605:94//AB007934
 R-OVARC1000004//Homo sapiens chromosome 4 clone B368A9 map 4q25, complete sequence.//2.1e-43:326:74//AC005510
- 15 R-OVARC1000006//HS_2253_B1_F01_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2253 Col=1 Row=L, genomic survey sequence.//3.7e-35:191:98//AQ069124
 R-OVARC1000013//HS_2212_A2_G06_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2212 Col=12 Row=M, genomic survey sequence.//0.14:212:63//AQ210584
- 20 R-OVARC1000014//Human DNA sequence from PAC 463A9, on chromosome Xq25 contains STS.//0.0053:356:62//Z80232
 R-OVARC1000017
 R-OVARC1000035//RPC111-65E1.TJ RPC111 Homo sapiens genomic clone R-65E1, genomic survey sequence.//3.3e-05:236:63//AQ237194
- 25 R-OVARC1000058//Homo sapiens DNA sequence from BAC 390C10 on chromosome 22q11.21-12.1. Contains an Immunoglobulin LIKE gene and a pseudogene similar to Beta Crystallin. Contains ESTs, STSs, GSSs and taga and tat repeat polymorphisms, complete sequence.//2.7e-48:325:82//AL008721
 R-OVARC1000060//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 27K12, WORKING DRAFT SEQUENCE.//5.0e-21:297:70//AL033397
- 30 R-OVARC1000068//P.falciparum complete gene map of plastid-like DNA (IR-B).//0.00038:553:58//X95276
 R-OVARC1000071//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 596C15, WORKING DRAFT SEQUENCE.//5.1e-110:599:93//AL031387
 R-OVARC1000085//DNA encoding component HC5 of human proteasome.//2.7e-65:366:92//E03413
 R-nnnnnnnnnnnnn//CIT-HSP-2172N17.TF CIT-HSP Homo sapiens genomic clone 2172N17, genomic survey sequence.//0.80:285:59//B94391
- 35 R-OVARC1000091
 R-OVARC1000092//CIT-HSP-2373J20.TR CIT-HSP Homo sapiens genomic clone 2373J20, genomic survey sequence.//1.4e-17:141:85//AQ111520
 R-OVARC 1000106
- 40 R-OVARC1000113//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds.//2.6e-100:495:97//AF069250
 R-OVARC1000114//Homo sapiens partial XPGC gene, exon 2.//9.5e-49:392:80//X71342
 R-OVARC1000133//Human Chromosome 16 BAC clone CIT987SK-A-362G6, complete sequence.//0.00020:243:65//U95740
- 45 R-OVARC1000145//Homo sapiens chromosome 10 clone CIT987SK:1010K1 map 10q25, complete sequence.//1.8e-16:370:67//AC005385
 R-OVARC1000148//CIT-HSP-2386P14.TF.1 CIT-HSP Homo sapiens genomic clone 2386P14, genomic survey sequence.//1.1e-05:55:98//AQ240492
 R-OVARC1000151//M.musculus GEG-154 mRNA.//9.8e-21:192:81//X71642
- 50 R-OVARC1000168//CIT-HSP-2336F6.TR CIT-HSP Homo sapiens genomic clone 2336F6, genomic survey sequence.//0.050:176:62//AQ042932
 R-OVARC1000191//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//3.7e-08:534:58//AC005506
 R-OVARC1000198//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0366H07; HTGS phase 1, WORKING DRAFT SEQUENCE, 28 unordered pieces.//5.2e-111:556:96//AC004604
- 55 R-OVARC1000209//Blacus sp. 16S ribosomal RNA gene, partial sequence.//0.55:165:67//AF003501
 R-OVARC1000212//Mouse DNA for beta-casein.//0.56:225:63//X13484
 R-OVARC1000240//Homo sapiens chromosome 17, clone hRPK.63_A_1, complete sequence.//6.2e-38:193:82//

- AC005670
 R-OVARC1000241//Mus musculus hypoxia inducible factor three alpha mRNA, complete cds.//1.1e-25:312:73//AF060194
 R-OVARC1000288//Human HepG2 3' region Mbol cDNA, clone hmd1d01m3.//5.4e-07:128:70//D17131
 5 R-OVARC1000302//Homo sapiens chromosome 17, clone hRPK.651_L_9, complete sequence.//1.7e-10:100:88//AC005971
 R-OVARC1000304//Mouse mRNA from Mov10 locus.//7.9e-66:379:81//X52574
 R-OVARC 1000309
 R-OVARC1000321//Homo sapiens clone NH0479C13, WORKING DRAFT SEQUENCE, 12 unordered pieces.//6.5e-83:453:94//AC005236
 10 R-OVARC1000326//Rattus norvegicus lamina-associated polypeptide 1C (LAP1C) mRNA, complete cds.//5.0e-58:455:81//U19614
 R-OVARC1000335//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0483I23; HTGS phase 1, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.034:429:60//AC005690
 15 R-OVARC1000347//Mus musculus HRS gene, complete cds.//4.6e-06:339:61//AF020308
 R-OVARC1000384//D.discoideum glycoprotein 24 A and B (GP24A and GP24B) genes, complete cds.//0.48:296:62//M27588
 R-OVARC1000408//Homo sapiens DNA from chromosome 19-cosmid R27740 containing MEF2B and RSRFR2 genes, genomic sequence.//9.4e-39:286:87//AD000812
 20 R-OVARC1000411//CIT-HSP-2303H10.TF CIT-HSP Homo sapiens genomic clone 2303H10, genomic survey sequence.//1.5e-07:94:84//AQ016720
 R-OVARC1000414//Homo sapiens genomic DNA, 21q region, clone: 149C3X10, genomic survey sequence.//1.8e-32:296:75//AG002388
 R-OVARC1000420//Homo sapiens clone DJ1137M13, complete sequence.//2.0e-48:354:77//AC005378
 25 R-OVARC1000427//D.discoideum vegetative specific gene V18 gene for ribosomal protein.//2.5e-09:370:59//X15382
 R-OVARC1000431//HS_2199_A2_E02_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2199 Col=4 Row=1, genomic survey sequence.//1.3e-34:186:98//AQ093722
 R-OVARC1000437//Gallus gallus tensin mRNA, 3' end.//1.3e-15:160:80//L06662
 30 R-OVARC1000440//Homo sapiens BAC clone NH0538D15 from 7q11.23-q21.1, complete sequence.//0.0054:337:61//AC006043
 R-OVARC1000442//CIT-HSP-2335L20.TR CIT-HSP Homo sapiens genomic clone 2335L20, genomic survey sequence.//1.0e-45:322:86//AQ037381
 R-OVARC1000443//Homo sapiens mRNA for KIAA0683 protein, complete cds.//1.1e-77:418:94//AB014583
 35 R-OVARC1000461//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 215D11, WORKING DRAFT SEQUENCE.//0.62:333:59//AL034417
 R-OVARC1000465//Bos taurus guanine nucleotide-exchange protein (ARF-GEP1) mRNA, complete cds.//1.1e-81:489:91//AF023451
 R-OVARC1000466//Homo sapiens chromosome 17, Neurofibromatosis 1 locus, complete sequence.//0.0088:98:72//AC004526
 40 R-OVARC1000473//Homo sapiens full-length insert cDNA clone Y153C10.//3.2e-92:317:100//AF085851
 R-OVARC1000479//Rattus norvegicus mRNA for TIP120, complete cds.//2.7e-70:502:84//D87671
 R-OVARC1000486//Dictyostelium discoideum FusC (fusC) gene, partial cds.//0.52:411:58//AF019984
 R-OVARC1000496
 45 R-OVARC1000520//Homo sapiens PAC clone DJ412A9 from 22, complete sequence.//3.8e-17:294:71//AC005005
 R-OVARC1000526//Homo sapiens clone GS438P06, WORKING DRAFT SEQUENCE, 17 unordered pieces.//4.5e-109:547:96//AC005024
 R-OVARC1000533//Homo sapiens chromosome 19, cosmid R30385, complete sequence.//3.0e-46:264:93//AC004510
 50 R-OVARC1000543//Caenorhabditis elegans cosmid F10C1.//0.00063:417:59//U49831
 R-OVARC1000556//Homo sapiens DNA sequence from PAC 168L15 on chromosome 6q26-27. Contains RSK3 gene, ribosomal protein S6 kinase, EST, GSS, STS. CpG island, complete sequence.//1.5e-39:144:92//AL022069
 R-OVARC1000557//Homo sapiens chromosome 19, cosmid R32469, complete sequence.//1.5e-81:429:96//AC005197
 55 R-OVARC1000564//Homo sapiens chromosome 17, clone HRPC837J1, complete sequence.//0.83:301:58//AC004223
 R-OVARC1000573//Homo sapiens Xq28 genomic DNA in the region of the ALD locus containing the genes for creatine transporter (SLC6A8), CDM, adrenoleukodystrophy (ALD), Na⁺-isocitrate dehydrogenase gamma subunit

EP 1 074 617 A2

(IDH), and translocon-associated protein delta (TRAP) genes, complete cds, plexin related protein (PLEXR) and serine kinase (SK) genes, partial cds, Xq28lu1 gene and cytochrome C (CCp) pseudogene.//2.4e-44:300:88//U52111

5 R-OVARC1000578//Human Chromosome 16 BAC clone CIT987SK-A-270G1, complete sequence.//6.4e-48:436:78//AF001549

R-OVARC1000588//Homo sapiens chromosome 19, cosmid F19847, complete sequence.//2.7e-32:313:78//AC005952

R-OVARC 1000605

10 R-OVARC1000622//Homo sapiens PAC clone DJ0942116 from 7q11, complete sequence.//6.2e-43:328:83//AC006012

R-OVARC1000640//High throughput sequencing of human chromosome 12, WORKING DRAFT SEQUENCE, 1 ordered pieces.//1.9e-47:514:73//AC005840

R-OVARC1000661//Homo sapiens mRNA for KIAA0590 protein, complete cds.//1.6e-29:162:100//AB011162.

15 R-OVARC1000678//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.50:270:60//AC005140

R-nnnnnnnnnnn//Rattus norvegicus mRNA for myosin-RhoGAP protein Myr 7.//1.4e-83:549:86//AJ001713

R-OVARC1000681//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 257E24, WORKING DRAFT SEQUENCE.//3.2e-13:160:76//AL034424

R-OVARC1000689//Schistocerca americana Antennapedia homeotic protein (Antp) mRNA, complete cds.//0.90:230:61//U32943

20 R-OVARC1000700//Homo sapiens chromosome 5, BAC clone 34j15 (LBNL H169), complete sequence.//5.1e-15:133:85//AC005754

R-OVARC1000703//Homo sapiens chromosome 22, clone hRPC.130_H_16, complete sequence.//6.9e-48:525:73//AC005585

25 R-OVARC1000730//HS_3018_B1_H10_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3018 Col=19 Row=P, genomic survey sequence.//0.00019:198:63//AQ093513

R-OVARC1000746//P.falciparum complete gene map of plastid-like DNA (IR-B).//0.98:154:65//X95276

R-OVARC1000769//Human coagulation factor XI gene, intron 2, partial, clone pTZ18R.//2.0e-30:187:78//M21185

R-OVARC1000771

30 R-OVARC1000781//Sequence 5 from Patent WO9722695.//8.4e-47:401:77//A63552

R-OVARC1000787//Homo sapiens PAC clone DJ430N08 from 22q12.1-qter, complete sequence.//7.8e-111:567:96//AC004542

R-OVARC1000800//Homo sapiens mitochondrial HSP75 mRNA, complete cds.//1.3e-17:119:95//L15189

R-OVARC1000802//Homo sapiens chromosome 5, BAC clone 120c13 (LBNL H171), complete sequence.//2.3e-51:482:78//AC005574

35 R-OVARC1000834//Homo sapiens mRNA for atopy related autoantigen CALC.//3.6e-105:536:95//Y1771

R-OVARC1000846//Homo sapiens chromosome 16, cosmid clone 390H2 (LANL), complete sequence.//2.7e-107:538:96//AC004494

R-OVARC1000850//Homo sapiens PB39 mRNA, complete cds.//3.6e-114:579:96//AF045584

40 R-OVARC1000862//M.musculus F1f mRNA.//2.3e-20:346:73//X71978

R-OVARC1000876//Plasmodium falciparum chromosome 2, section 53 of 73 of the complete sequence.//9.1e-08:427:58//AE001416

R-OVARC1000883//Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds.//5.6e-34:357:78//U20086

45 R-OVARC1000885//Lycopersicon esculentum alcohol dehydrogenase homolog (GAD3) mRNA, partial cds.//0.47:305:60//U21801

R-OVARC 1000886

R-OVARC1000891//HS_3082_A2_F04_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3082 Col=8 Row=K, genomic survey sequence.//1.1e-16:187:79//AQ122500

50 R-OVARC1000897//Human DNA sequence from clone 192P9 on chromosome Xp11.23-11.4. Contains a pseudogene similar to rat Plasmolipin, ESTs and GSSs, complete sequence.//7.2e-07:476:60//AL020989

R-OVARC1000912

R-OVARC1000915//Homo sapiens chromosome 17, clone hRPC.971_F_3, WORKING DRAFT SEQUENCE, 1 ordered pieces.//5.4e-70:509:86//AC004150

55 R-OVARC1000924//Homo sapiens Chromosome 22q11.2 Cosmid Clone cosk In NF1 Region, complete sequence.//1.6e-77:465:90//AC002471

R-OVARC1000936//HS_2195_A2_C12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2195 Col=24 Row=E, genomic survey sequence.//2.4e-76:463:90//AQ191108

- R-OVARC1000937//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 250D10, WORKING DRAFT SEQUENCE.//0.0028:161:65//Z99716
- R-OVARC1000945//Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds.//3.5e-62:526:78//AB005549
- 5 R-OVARC1000948//Hypera postica NADH dehydrogenase subunit 1 (ND1) gene, partial cds, tRNA-Leu gene, complete sequence, and 16S ribosomal gene, partial sequence, mitochondrial genes encoding mitochondrial products.//0.018:212:61//U61169
- R-OVARC1000959//CIT-HSP-2371K16.TR CIT-HSP Homo sapiens genomic clone 2371K16, genomic survey sequence.//1.1e-45:303:87//AQ111323
- 10 R-OVARC1000960//Homo sapiens BAC clone GS293C05 from 7q21-q22, complete sequence.//7.5e-44:353:81//AC005021
- R-OVARC1000971//H.sapiens DNA for repeat unit locus D18S51(285 bp).//2.2e-07:223:70//X91255
- R-OVARC1000984
- 15 R-OVARC1000996//Human DNA sequence from clone 272L16 on chromosome 1q32.1-32.3. Contains the 3' end of the LAMB3 gene for Laminin, Beta 3 (Nicein, Kalinin, BM600) and a novel Rat Ca²⁺/Calmodulin dependent Protein Kinase LIKE gene. Contains ESTs, STSs, GSSs, genomic marker D1S491 and a ca repeat polymorphism, complete sequence.//1.3e-06:179:70//AL023754
- R-OVARC1000999//Homo sapiens chromosome 17, clone hCIT.457_L_16, complete sequence.//5.8e-71:332:87//AC003957
- 20 R-OVARC1001000//HS_3032_B1_G11_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3032 Col=21 Row=N, genomic survey sequence.//5.1e-51:257:99//AQ096695
- R-OVARC1001004//Homo sapiens from UWGC:y18c282 from 6p21, complete sequence.//5.6e-92:473:96//AC004190
- R-OVARC1001010//RPCI11-10P1.TV RPCI-11 Homo sapiens genomic clone RPCI-11-10P1, genomic survey sequence.//4.1e-05:201:65//B71813
- 25 R-OVARC1001011//Homo sapiens clone DJ1021I20, WORKING DRAFT SEQUENCE, 6 unordered pieces.//7.9e-18:219:69//AC005520
- R-OVARC1001032//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y738F9, WORKING DRAFT SEQUENCE.//2.7e-89:464:86//AL022345
- 30 R-OVARC1001034//Homo sapiens chromosome 20, BAC clone 99 (LBNL H80), complete sequence.//1.4e-18:451:64//AC005220
- R-OVARC1001038//Homo sapiens TRIAD1 type I mRNA, complete cds.//1.3e-99:501:96//AF099149
- R-OVARC1001040//Homo sapiens chromosome 17, clone hRPK.1096_G_20, complete sequence.//9.7e-17:180:78//AC005410
- 35 R-OVARC1001044
- R-OVARC1001051//H.sapiens mRNA for homologue to yeast ribosomal protein L41.//3.7e-15:124:88//Z12962
- R-OVARC1001055//Homo sapiens, clone hRPK.15_A_1, complete sequence.//2.0e-30:292:76//AC006213
- R-OVARC1001062//Sequence 65 from patent US 5691147.//2.6e-54:312:92//I76237
- R-OVARC1001068//Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds.//2.3e-95:463:98//AF082657
- 40 R-OVARC1001072//Gallus gallus chicken brain factor-2 (CBF-2) mRNA, complete cds.//0.92:272:59//U47276
- R-OVARC1001074//HS_2205_A1_D07_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2205 Col=13 Row=G, genomic survey sequence.//1.3e-35:205:94//AQ184530
- R-OVARC1001085
- 45 R-OVARC1001092//Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337, LLNLc110F1857Q7 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin)).//4.5e-95:325:98//AJ005897
- R-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds.//1.0e-73:386:95//AF051782
- R-OVARC1001117//Homo sapiens chromosome 7 clone UWGC:g3586a160 from 7p14-15, complete sequence.//6.1e-37:314:81//AC005272
- 50 R-OVARC1001118//Homo sapiens chromosome 5, P1 clone 1195e2 (LBNL H73), complete sequence.//1.5e-44:390:77//AC005372
- R-OVARC1001129//Rickettsia prowazekii strain Madrid E, complete genome; segment 1/4.//0.81:461:57//AJ235270
- R-OVARC1001161//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 850H21, WORKING DRAFT SEQUENCE.//4.6e-08:342:64//AL031680
- 55 R-OVARC1001162//CIT-HSP-2171J2.TR CIT-HSP Homo sapiens genomic clone 2171J2, genomic survey sequence.//5.9e-48:347:85//B89781
- R-OVARC1001167//Homo sapiens clone DJ1102A12, WORKING DRAFT SEQUENCE, 15 unordered pieces.//

1.3e-28:427:70//AC004963
R-OVARC1001169//RPCI11-36P6.TV RPCI-11 Homo sapiens genomic clone RPCI-11-36P6, genomic survey se-
quence.//0.56:113:72//AQ045859
R-OVARC1001170//Homo sapiens Xp22 BAC GS-377014 (Genome Systems Human BAC library) complete se-
5 quence.//8.8e-39:301:85//AC002549
R-OVARC1001173//Human clone HS2.30 Alu-Ya5 sequence.//2.4e-35:183:83//U67213
R-OVARC1001180//Homo sapiens 12q24.1 NOVECTOR P443K8 () complete sequence.//9.1e-41:516:72//
AC005907
R-OVARC1001188//Homo sapiens Chromosome 11p14.3 PAC clone pDJ1034g4, complete sequence.//1.2e-14:
10 134:85//AC004796
R-OVARC1001200//ALS=85 kda insulin-like growth factor binding protein-3 complex acid-labile subunit [baboons,
liver, mRNA Partial, 1818 nt].//0.12:345:60//S83462
R-OVARC1001232//Bovine tyrosine hydroxylase mRNA, complete cds.//0.66:257:59//M36794
R-OVARC1001240//Homo sapiens chromosome 17, clone hCIT.124_H_2, complete sequence.//1.4e-41:284:87//
15 AC006071
R-OVARC1001243//HS_2055_B2_C01_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=2055 Col=2 Row=F, genomic survey sequence.//0.59:83:75//AQ243142
R-OVARC1001261//Crocodylus porosus mRNA for transthyretin.//0.93:121:66//AJ223148
R-OVARC1001268
20 R-OVARC1001270//Plasmodium falciparum MAL3P6, complete sequence.//0.0031:295:62//Z98551
R-OVARC1001271//Homo sapiens chromosome 16, cosmid clone 390H2 (LANL), complete sequence.//1.6e-107:
544:97//AC004494
R-OVARC1001282//Homo sapiens Xp22-39-47 PAC RPCI1-199J3 (Roswell Park Cancer Institute Human PAC
Library) complete sequence.//0.025:402:59//AC006062
25 R-OVARC1001296//Homo sapiens echinoderm microtubule-associated protein homolog HuEMAP mRNA, com-
plete cds.//1.1e-05:319:62//U97018
R-nnnnnnnnnnnn//Sequence 13 from patent US 5624818.//5.4e-85:577:84//I41142
R-OVARC1001329//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 30G7, WORKING
DRAFT SEQUENCE.//4.2e-71:282:88//AL034402
30 R-OVARC1001330//Homo sapiens PAC clone DJ0697H17 from 7q11.23-q21.1, complete sequence.//0.19:256:
59//AC004862
R-OVARC1001339//Homo sapiens 12q13 PAC RPCI1-316M24 (Roswell Park Cancer Institute Human PAC library)
complete sequence.//2.5e-49:366:83//AC004242
R-OVARC1001341//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 695O20, WORKING
35 DRAFT SEQUENCE.//4.8e-26:447:69//AL032818
R-OVARC1001342//Homo sapiens chromosome 10 clone CIT987SK-1175G20 map 10q25.2-10q25.3, complete
sequence.//5.5e-86:569:86//AC005874
R-OVARC1001344//Homo sapiens chromosome 5, BAC clone 261j17 (LBNL H190), complete sequence.//2.8e-
46:424:78//AC005350
40 R-OVARC1001357//Sequence 1 from patent US 5597707.//3.0e-42:250:93//I34297
R-OVARC1001360//Homo sapiens chromosome 17, clone hRPK.786_O_4, complete sequence.//0.20:335:60//
AC005863
R-OVARC 1001369
R-OVARC1001372//S.scrofa DNA for myogenin 3'flanking region (285 bp).//6.9e-29:249:83//X89210
45 R-OVARC1001376//Homo sapiens BAC clone RG139P11 from 7q11-q21, complete sequence.//2.1e-50:491:73//
AC004491
R-OVARC1001381//Homo sapiens chromosome 17, clone hRPK.156_L_14, complete sequence.//9.3e-20:422:
60//AC005821
R-OVARC1001391
50 R-nnnnnnnnnnnn
R-OVARC1001417//Homo sapiens EXLM1 mRNA, complete cds.//9.9e-110:561:95//AB00665
R-OVARC1001419//CIT-HSP-2362F16.TR CIT-HSP Homo sapiens genomic clone 2362F16, genomic survey se-
quence.//7.6e-47:242:98//AQ074668
R-OVARC1001425//Homo sapiens PAC clone DJ1108A12 from 14q24.3, complete sequence.//2.3e-20:211:66//
55 AC005157
R-OVARC1001436//Human DNA flanking 3' end of transposon L1.1.//0.18:148:66//M80341
R-OVARC1001442
R-OVARC1001453//Human PAC clone DJ525N14 from Xq23, complete sequence.//2.3e-19:181:81//AC002086

EP 1 074 617 A2

R-OVARC1001476//CITBI-E1-2517B6.TR CITBI-E1 Homo sapiens genomic clone 2517B6, genomic survey sequence.//0.24:308:59//AQ278655
R-OVARC1001480//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 753D4, WORKING DRAFT SEQUENCE.//0.99:294:62//AL031676
5 R-OVARC1001489//E.caballus microsatellite DNA marker (clone ASB32).//0.87:81:71//X93546
R-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds.//9.3e-116:585:96//AF016507
R-OVARC1001506//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-13F4 ~complete genomic sequence, complete sequence.//2.6e-40:285:86//AC002039
10 R-OVARC1001525//Homo sapiens clone NH0215P16, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.0:320:59//AC006036
R-OVARC1001542//Homo sapiens hJTB mRNA, complete cds.//5.0e-110:566:95//AB016488
R-OVARC1001547
R-OVARC1001577//Homo sapiens SRp46 splicing factor transcribed retropseudogene.//5.9e-33:216:92//AF031165
15 R-OVARC1001600//Human Chromosome X, complete sequence.//3.0e-22:157:89//AC002418
R-OVARC1001610//HS_3070_A2_A06_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3070 Col=12 Row=A, genomic survey sequence.//0.47:107:66//AQ103523
R-OVARC1001611//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1185N5, WORKING DRAFT SEQUENCE.//0.17:236:63//AL034423
20 R-OVARC1001615//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 310O13, WORKING DRAFT SEQUENCE.//1.3e-19:248:70//AL031658
R-OVARC1001668//HS_3228_A2_E12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3228 Col=24 Row=I, genomic survey sequence.//4.6e-13:156:76//AQ188379
25 R-OVARC1001702//CITBI-E1-2501P16.TR.1 CITBI-E1 Homo sapiens genomic clone 2501P16, genomic survey sequence.//1.6e-41:217:99//AQ241965
R-OVARC1001703
R-OVARC1001711//CITBI-E1-2502N10.TF CITBI-E1 Homo sapiens genomic clone 2502N10, genomic survey sequence.//2.0e-14:220:72//AQ266194
30 R-OVARC1001726//CIT-HSP-2320O1.TF CIT-HSP Homo sapiens genomic clone 2320O1, genomic survey sequence.//0.021:170:62//AQ038145
R-OVARC1001731//Human mRNA for fibroblast tropomyosin TM30 (pl).//2.5e-72:422:90//X05276
R-OVARC1001745//Human DNA sequence from clone 796I11 on chromosome 20q12. Contains ESTs, an STS and GSSs, complete sequence.//7.6e-44:314:84//AL031257
35 R-oooooooooooo//S.cerevisiae N-acetyltransferase (AAA1) mRNA, complete cds.//1.6e-08:396:60//M23166
R-OVARC1001766//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds.//3.5e-108:567:94//U97670
R-oooooooooooo//Homo sapiens mRNA for KIAA0675 protein, complete cds.//6.3e-108:529:97//AB014575
R-OVARC1001768//Caenorhabditis elegans cosmid Y57G11A, complete sequence.//0.24:205:64//Z99279
40 R-OVARC1001791//Homo sapiens BAC clone RG118P15 from 8q21, complete sequence.//4.6e-58:558:76//AC005066
R-OVARC1001795
R-OVARC1001802//Human HLA class III region containing cAMP response element binding protein-related protein (CREB-RP) and tenascin X (tenascin-X) genes, complete cds, complete sequence.//1.1e-37:346:78//U89337
45 R-OVARC1001805//Human DNA sequence from clone 511E16 on chromosome 6p24.3-25.1. Contains the last coding exon of the gene for P18 component of aminoacyl-tRNA synthetase complex, part of an unknown gene downstream of a putative CpG island, and an STS with a CA repeat polymorphism, complete sequence.//3.0e-112:581:95//AL023694
R-OVARC1001812//Human DNA sequence from clone 227L5 on chromosome Xp11.22-11.3. Contains a Keratin, Type 1 Cytoskeletal 18 (KRT18, CYK18, K18, CK18) pseudogene and an STS, complete sequence.//6.6e-41:345:81//AL031585
50 R-OVARC1001813//CITBI-E1-2508J18.TR CITBI-E1 Homo sapiens genomic clone 2508J18, genomic survey sequence.//1.6e-72:386:95//AQ263046
R-OVARC1001820//Human PAC clone DJ525N14 from Xq23, complete sequence.//4.8e-41:320:83//AC002086
55 R-OVARC1001828//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//3.4e-08:527:58//AC004688
R-OVARC1001846//CIT-HSP-2014F15.TR CIT-HSP Homo sapiens genomic clone 2014F15, genomic survey sequence.//0.0045:165:67//B58905

R-OVARC1001861//M.musculus mRNA for pMEM2 protein.//9.5e-28:405:68//X95350
R-OVARC1001873//Homo sapiens clones 24718 and 24825 mRNA sequence.//5.9e-104:571:91//AF070611
R-OVARC1001879//Human DNA sequence from clone 612B18 on chromosome 1q24-25.3 Contains exon from
5 gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG Island,
complete sequence.//9.1e-20:206:80//AL031864
R-OVARC1001880//RPC111-42115.TJ RPC111 Homo sapiens genomic clone R-42115, genomic survey se-
quence.//3.9e-50:287:88//AQ052700
R-OVARC1001883//Homo sapiens chromosome 17, clone hCIT.123_J_14, complete sequence.//6.1e-13:457:63//
AC003950
10 R-OVARC1001900//Homo sapiens tumorous imaginal discs protein Tid56 homolog (Tid1) mRNA, complete cds.//
2.5e-86:346:90//AF061749
R-OVARC1001901//Homo sapiens testis specific methyl-CpG binding protein MBD2 (MBD2) mRNA, partial cds.//
7.2e-89:421:100//AF072246
R-OVARC1001911//Homo sapiens full-length insert cDNA clone ZD52F10.//8.2e-106:510:98//AF086315
15 R-OVARC1001916
R-OVARC1001928
R-OVARC1001942//S.cerevisiae N-acetyltransferase (AAA1) mRNA, complete cds.//0.0013:231:63//M23166
R-OVARC1001943//Human immunodeficiency virus type 1, strain FRMP329, envelope glycoprotein V3 region
(env) gene, partial cds.//0.14:173:64//U58826
20 R-OVARC1001949//Human zinc finger protein 20 (ZNF20) pentanucleotide repeat polymorphism.//1.3e-09:306:
63//M99593
R-OVARC1001950//Homo sapiens chromosome 17, clone hRPK.112_H_10, complete sequence.//8.2e-38:385:
75//AC005666
R-OVARC1001987
25 R-OVARC1001989//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y57G11,
WORKING DRAFT SEQUENCE.//6.3e-08:355:60//Z92841
R-OVARC1002044//Human DNA sequence from clone 681J21 on chromosome 1q23.2-24.3 Contains CpG island,
complete sequence.//5.0e-42:298:86//AL031286
R-OVARC1002050//Homo sapiens mRNA for KIAA0465 protein, partial cds.//1.4e-107:542:96//AB007934
30 R-OVARC1002066//Arabidopsis thaliana chromosome II BAC F14M4 genomic sequence, complete sequence.//
0.23:210:61//AC004411
R-OVARC1002082//Homo sapiens clone DJ0965K10, WORKING DRAFT SEQUENCE, 6 unordered pieces.//
5.4e-99:546:92//AC006015
R-OVARC1002107//Human DNA sequence from PAC 417G15 on chromosome Xq25-Xq26. Contains glypican-3
35 precursor (intestinal protein OCI-5) (GTR2-2), pseudogene, ESTs.//4.4e-34:375:74//AL009174
R-OVARC1002127
R-OVARC1002138//CIT-HSP-2290O18.TF CIT-HSP Homo sapiens genomic clone 2290O18, genomic survey se-
quence.//2.4e-07:316:62//AQ003988
R-OVARC1002143//RPC111-54M8.TJ RPC111 Homo sapiens genomic clone R-54M8, genomic survey sequence.//
40 2.3e-35:220:90//AQ083241
R-OVARC1002156
R-OVARC1002158//CITBI-E1-2514D4.TF CITBI-E1 Homo sapiens genomic clone 2514D4, genomic survey se-
quence.//1.6e-12:140:79//AQ265720
R-OVARC1002165//CIT-HSP-2307C9.TF CIT-HSP Homo sapiens genomic clone 2307C9, genomic survey se-
45 quence.//5.0e-59:291:99//AQ020420
R-OVARC1002182//P. falciparum SD17 gene for knob-associated histidine-rich protein.//0.74:161:65//Y00060
R-PLACE1000004//D.discoideum gene for protein kinase.//0.00081:263:59//Z37981
R-PLACE1000005//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING
DRAFT SEQUENCE, 9 unordered pieces.//0.0082:477:58//AC005507
50 R-PLACE1000007//Homo sapiens clone 24422 mRNA sequence.//1.2e-14:100:97//AF070557
R-PLACE1000014//Homo sapiens genomic DNA, chromosome 21q22.2, p1 clone: T1212 and T1601, WORKING
DRAFT SEQUENCE.//2.8e-44:405:77//D83253
R-PLACE1000031//Homo sapiens clone UWGC:y23c049 from 6p21, complete sequence.//1.8e-24:291:73//
AC006162
55 R-PLACE1000040//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y105C5,
WORKING DRAFT SEQUENCE.//0.00039:289:61//Z98855
R-PLACE1000048//Human BAC clone RG210104, complete sequence.//4.7e-83:518:89//AC002462
R-PLACE1000050//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING

EP 1 074 617 A2

DRAFT SEQUENCE, 8 unordered pieces.//0.98:73:76//AC005505
R-PLACE1000061//Human ribosomal protein L37a mRNA sequence.//5.9e-21:125:98//L22154
R-PLACE1000066
R-PLACE1000078//Homo sapiens chromosome 11 clone CIT987SK-1012F4, WORKING DRAFT SEQUENCE, 6
5 unordered pieces.//1.2e-87:456:95//AC005848
R-PLACE1000081
R-PLACE1000094//RPC111-91K6.TV RPC111 Homo sapiens genomic clone R-91K6, genomic survey sequence.//
2.3e-83:409:98//AQ282619
R-PLACE1000133//Homo sapiens chromosome 17, clone hRPK.746_E_8, complete sequence.//1.8e-06:420:57//
10 AC005358
R-PLACE1000142
R-PLACE1000184//Homo sapiens estrogen-related receptor gamma mRNA, complete cds.//1.3e-112:594:94//
AF058291
R-PLACE1000185
R-PLACE1000213//CIT-HSP-2308A18.TR CIT-HSP Homo sapiens genomic clone 2308A18, genomic survey se-
15 quence.//8.2e-80:410:97//AQ022149
R-PLACE1000214//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-09, complete
sequence.//1.6e-05:548:59//AL008989
R-PLACE1000236//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 695O20, WORKING
20 DRAFT SEQUENCE.//2.2e-16:118:91//AL032818
R-PLACE1000246//X.laevis mRNA for XLCL2 protein.//6.5e-13:66:95//Z14122
R-PLACE1000292//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 111B22, WORKING
DRAFT SEQUENCE.//6.6e-41:322:84//Z98200
R-PLACE1000332//Homo sapiens chromosome 17, clone hCIT.281_F_24, complete sequence.//1.8e-16:598:62//
25 AC004706
R-PLACE1000347//Homo sapiens PAC clone DJ1090P18 from 7q21-q22, complete sequence.//2.3e-11:237:69//
AC005326
R-PLACE1000374//Arabidopsis thaliana chromosome 1 BAC F15K9 sequence, complete sequence.//8.7e-09:
492:58//AC005278
R-PLACE1000380//Plasmodium falciparum chromosome 2, section 1 of 73 of the complete sequence.//0.59:354:
30 59//AE001364
R-PLACE1000383//Mus musculus myotubularin related protein 1 (Mtmr1) mRNA, complete cds.//0.55:65:84//
AF073997
R-PLACE1000401//Homo sapiens clone GS166C05, WORKING DRAFT SEQUENCE, 7 unordered pieces.//3.6e-
35 17:152:83//AC005015
R-PLACE1000406//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K21H1, complete sequence.//
0.51:346:58//AB020742
R-PLACE1000420//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 2/15,
WORKING DRAFT SEQUENCE.//1.5e-25:243:79//AP000009
R-PLACE1000421//HS_2251_B2_G12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
40 nomic clone Plate=2251 Col=24 Row=N, genomic survey sequence.//1.4e-82:430:95//AQ192807
R-PLACE1000424//Human PAC clone DJ515N1 from 22q11.2-q22, complete sequence.//1.8e-36:483:71//
AC002073
R-PLACE1000435//Homo sapiens chromosome 21q22.2 cosmid clone Q71A3, complete sequence.//2.6e-37:371:
45 76//AF015724
R-PLACE1000444//Homo sapiens chromosome 17, clone hRPK.227_G_15, complete sequence.//1.0e-54:429:
81//AC005899
R-PLACE1000453//MURINE genomic DNA; partially digested Sau3A fragment, cloned into cosmid vector
pEMBLcos2, complete sequence.//0.66:103:72//AF059580
R-PLACE1000481//Human DNA sequence from clone 960O17 on chromosome Xp11.21-11.22 Contains EST, CA
50 repeat(DXS991), STS, GSS, complete sequence.//0.019:171:66//AL022166
R-PLACE1000492//Rat vacuolar protein sorting homolog r-vps33b mRNA, complete cds.//3.2e-17:221:72//
U35245
R-PLACE1000540//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING
55 DRAFT SEQUENCE, 5 unordered pieces.//0.00045:480:60//AC005308
R-PLACE1000547//Homo sapiens chromosome 19, cosmid F17987, complete sequence.//9.6e-32:231:85//
AC004790
R-PLACE1000562//, complete sequence.//1.8e-45:280:92//AC005409

- R-PLACE1000564//Human chromosome 16 creatine transporter (SLC6A8) and (CDM) paralogous genes, complete cds.//0.0079:180:65//U41302
- R-PLACE1000583//Homo sapiens chromosome 17, clone hRPK.799_N_11, complete sequence//1.5e-37:414:74//AC005323
- 5 R-nnnnnnnnnnn//Human guanylate binding protein isoform I (GBP-2) mRNA, complete cds.//1.9e-77:542:82//M55542
- R-PLACE1000596//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.00019:482:59//AC005506
- R-PLACE1000599//Human germline T-cell receptor beta chain Dopamine-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV27S1P, TCRBV22S1A2N1T, TCRBV9S1A1T, TCRBV7S1A1N2T, TCRBV5S1A1T, TCRBV13S3, TCRBV6S7P, TCRBV7S3A2T, TCRBV13S2A1T, TCRBV9S2A2PT, TCRBV7S2A1N4T, TCRBV13S9/13S2A1T, TCRBV6S5A1N1, TCRBV30S1P, TCRBV31S1, TCRBV13S5, TCRBV6S1A1N1, TCRBV32S1P, TCRBV5S5P, TCRBV1S1A1N1, TCRBV12S2A1T, TCRBV21S1, TCRBV8S4P, TCRBV12S3, TCRBV21S3A2N2T, TCRBV8S5P, TCRBV13S1 genes from bases 1 to 267156 (section 1 of 3).//5.6e-51:369:85//U66059
- 10 R-PLACE1000610//HS_3071_A1_C05_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3071 Col=9 Row=E, genomic survey sequence.//0.051:147:65//AQ103341
- R-PLACE1000636//HS_3220_B2_E09_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3220 Col=18 Row=J, genomic survey sequence.//0.010:253:64//AQ181157
- 15 R-PLACE1000653//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//1.6e-99:506:96//AF102265
- R-PLACE1000656//Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and LLNLc110F1857Q7 (RZPD Berlin)).//4.5e-101:559:92//AJ005896
- R-PLACE1000706//nuclear protein TIF1 [mice, mRNA, 3951 nt].//9.1e-10:331:63//S78219
- R-PLACE1000712//Homo sapiens full-length insert cDNA clone ZD76G10.//1.0e-69:345:98//AF086408
- 25 R-PLACE1000716//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-279B10, complete sequence.//1.0:174:62//AC002300
- R-PLACE1000748//Plasmodium falciparum MAL3P3, complete sequence.//1.0e-06:337:60//Z98547
- R-PLACE1000749//cSRL-15g9-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-15g9, genomic survey sequence.//8.8e-26:236:80//B02791
- 30 R-PLACE1000755//HS_2183_B1_H11_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2183 Col=21 Row=P, genomic survey sequence.//0.47:151:65//AQ064202
- R-PLACE1000769//Homo sapiens clone DJ0647J21, WORKING DRAFT SEQUENCE, 10 unordered pieces.//7.0e-38:492:74//AC004847
- R-PLACE1000785//Homo sapiens mRNA for KIAA0648 protein, partial cds.//2.6e-101:513:96//AB014548
- 35 R-PLACE1000786//Human putative outer mitochondrial membrane 34 kDa translocase hTOM34 mRNA, complete cds.//0.078:180:68//U58970
- R-nnnnnnnnnnn
- R-PLACE1000798//Homo sapiens cosmid D66B10, chromosome 21 5' of IFNAR1.//5.1e-26:348:72//AF039904
- R-PLACE1000841//Human guanine nucleotide regulatory protein (NET1) mRNA, complete cds.//1.4e-26:110:95//U02081
- 40 R-nnnnnnnnnnn//Homo sapiens full-length insert cDNA clone ZD55D10.//1.4e-13:93:96//AF086334
- R-PLACE1000856//Anopheles quadrimaculatus NADH dehydrogenase subunits (1-4, 4L, 5-6); cytochrome oxidase subunits (1-3); adenosine triphosphatase subunits (6,8); cytochrome b; transfer RNA; ribosomal RNA (large and small subunits).//2.7e-09:484:59//L04272
- 45 R-PLACE1000863
- R-PLACE1000909//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//3.0e-05:274:60//AC005505
- R-PLACE1000931//RPCI11-66P7.TK RPCI11 Homo sapiens genomic clone R-66P7, genomic survey sequence.//3.4e-73:369:97//AQ237489
- 50 R-PLACE1000948//RPCI11-64K15.TK RPCI11 Homo sapiens genomic clone R-64K15, genomic survey sequence.//6.6e-06:258:62//AQ239337
- R-PLACE1000972//Homo sapiens chromosome 17, clone hRPK.112_J_9, complete sequence.//8.3e-20:223:76//AC005553
- 55 R-PLACE1000977//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING DRAFT SEQUENCE, 7 unordered pieces.//0.00030:448:59//AC005506
- R-PLACE1000979
- R-PLACE1001000//CIT-HSP-2297I8.TF CIT-HSP Homo sapiens genomic clone 2297I8, genomic survey se-

quence//7.0e-07:64:95//AQ004997
 R-PLACE1001007//Human endothelial nitric oxide synthase gene, complete cds//0.0078:215:64//D26607
 R-PLACE1001010
 R-PLACE1001015//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 150C2, WORKING
 5 DRAFT SEQUENCE//1.5e-16:452:63//AL022318
 R-PLACE1001024//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 417M14, WORKING
 DRAFT SEQUENCE//0.99:186:63//AL024498
 R-PLACE1001036//Homo sapiens clone DJ1136G02, WORKING DRAFT SEQUENCE, 4 unordered pieces//2.5e-
 15:313:68//AC005377
 10 R-PLACE1001062//Homo sapiens chromosome 17, clone hCIT54K19, complete sequence//7.3e-16:119:84//
 AC003664
 R-PLACE1001076
 R-PLACE1001088//Human DNA sequence from cosmid 203C2, between markers DXS6791 and DXS8038 on
 chromosome X contains ESTs//0.97:332:59//Z74696
 15 R-PLACE1001092//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING
 DRAFT SEQUENCE, 5 unordered pieces//6.2e-07:302:62//AC005139
 R-PLACE1001104//Plasmodium falciparum chromosome 2, section 9 of 73 of the complete sequence//0.057:280:
 60//AE001372
 20 R-PLACE1001118//Homo sapiens DNA sequence from PAC 418A9 on chromosome 6q21. Contains the first (5')
 two exons of a CDK8 (Cell Division Protein Kinase 8) LIKE gene, a Neutral Calponin LIKE pseudogene, ESTs and
 STSs, complete sequence//4.9e-06:334:60//Z84480
 R-PLACE1001136//Homo sapiens chromosome 17, clone hRPK.22_N_12, WORKING DRAFT SEQUENCE, 2
 ordered pieces//1.1e-31:331:75//AC005412
 25 R-PLACE1001168//HS_2036_A1_H04_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=2036 Col=7 Row=O, genomic survey sequence//0.40:144:63//AQ230662
 R-PLACE1001171
 R-PLACE1001185
 R-PLACE1001238//Human coxVlb gene, last exon and flanking sequence//3.4e-36:349:76//X58139
 R-PLACE1001241//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-20, complete
 30 sequence//0.11:258:61//AL008972
 R-PLACE1001257//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone B4P3; HTGS
 phase 1, WORKING DRAFT SEQUENCE, 9 unordered pieces//1.9e-46:484:73//AC000016
 R-PLACE1001272//Homo sapiens chromosome 21q22.3 PAC 191P10, complete sequence//0.89:119:65//
 AF045448
 35 R-PLACE1001279//Caenorhabditis elegans cosmid Y39A1C, complete sequence//0.99:95:69//AL023839
 R-PLACE1001280//CIT-HSP-2328B24.TF CIT-HSP Homo sapiens genomic clone 2328B24, genomic survey se-
 quence//5.4e-24:147:76//AQ042129
 R-PLACE1001294//M.musculus GEG-154 mRNA//1.3e-22:472:65//X71642
 R-PLACE1001304//Homo sapiens chromosome 19, overlapping cosmids F18547, F11133, R27945, R28830 and
 40 R32804, complete sequence//2.2e-22:139:77//AC003682
 R-PLACE1001311//Loligo pealei repeat region//0.84:232:64//Z18286
 R-PLACE1001323//Homo sapiens DNA sequence from PAC 418A9 on chromosome 6q21. Contains the first (5')
 two exons of a CDK8 (Cell Division Protein Kinase 8) LIKE gene, a Neutral Calponin LIKE pseudogene, ESTs and
 STSs, complete sequence//7.2e-39:308:83//Z84480
 45 R-PLACE1001351//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y39B6,
 WORKING DRAFT SEQUENCE//0.0018:408:59//Z95399
 R-PLACE1001366//Human Na+/phosphate co-transporter gene, exon 1, partial sequence//2.2e-46:369:82//
 D89927
 R-PLACE1001377//Homo sapiens ADAM10 (ADAM10) mRNA, complete cds//7.1e-80:431:93//AF009615
 50 R-PLACE1001383//Homo sapiens clone 24538 mRNA sequence//3.6e-35:192:97//AF055030
 R-PLACE1001384//Homo sapiens mRNA for multi PDZ domain protein//2.6e-86:456:94//AJ001319
 R-PLACE1001387
 R-PLACE1001395//Nyctalus leisleri mitochondrial D-loop, partial sequence//0.054:148:68//U95355
 R-PLACE1001399//Homo sapiens chromosome 17, clone hRPK.22_N_12, WORKING DRAFT SEQUENCE, 2
 55 ordered pieces//6.7e-70:352:98//AC005412
 R-PLACE1001412//Homo sapiens clone 643 unknown mRNA, complete sequence//8.0e-44:242:95//AF091087
 R-PLACE1001414//Homo sapiens chromosome 9, clone hRPK.202_H_3, complete sequence//0.12:53:84//
 AC006241

EP 1 074 617 A2

R-PLACE1001440//Homo sapiens Xq28 genomic DNA in the region of the ALD locus containing the genes for creatine transporter (SLC6A8), CDM, adrenoleukodystrophy (ALD), Na⁺-isocitrate dehydrogenase gamma subunit (IDH), and translocin-associated protein delta (TRAP) genes, complete cds, plexin related protein (PLEXR) and serine kinase (SK) genes, partial cds, Xq281u1 gene and cytochrome C (CCp) pseudogene.//1.0:250:61//U52111

5 R-PLACE1001456//Borrelia burgdorferi (section 16 of 70) of the complete genome.//0.0077:173:62//AE001130

R-PLACE1001468//HS_3050_A2_D07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3050 Col=14 Row=G, genomic survey sequence.//0.00023:202:65//AQ133920

R-PLACE1001484//Homo sapiens Xq28 BAC PAC and cosmid clones containing FMR2 gene exons 1,2, and 3, complete sequence.//7.2e-17:180:80//AC002368

10 R-PLACE1001502//RPCI11-24F2.TP RPCI-11 Homo sapiens genomic clone RPCI-11-24F2, genomic survey sequence.//0.15:203:66//B84401

R-PLACE1001503//HS_2183_A1_B10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2183 Col=19 Row=C, genomic survey sequence.//1.3e-38:181:82//AQ022613

R-PLACE1001517//Homo sapiens hGAA1 mRNA, complete cds.//6.4e-56:339:90//AB006969

15 R-PLACE1001534//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 620E11, WORKING DRAFT SEQUENCE.//8.6e-59:304:97//AL031667

R-PLACE1001545//Homo sapiens chromosome 3, clone hRPK.165_L_16, complete sequence.//2.6e-18:171:82//AC 005669

R-PLACE1001551

20 R-PLACE1001570//M.capricolum DNA for CONTIG MC188.//0.0043:305:57//Z33135

R-PLACE1001602//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 3/11.//2.5e-82:408:98//AB020860

R-PLACE1001603//Homo sapiens KE05 protein mRNA, complete cds.//1.5e-40:295:84//AF064605

R-PLACE1001610//Homo sapiens clone NH0469M07, WORKING DRAFT SEQUENCE, 7 unordered pieces.//2.5e-39:307:82//AC005037

25 R-PLACE1001611//Homo sapiens histone macroH2A1.2 mRNA, complete cds.//4.9e-41:217:97//AF054174

R-PLACE1001632//Human DNA binding protein (HPF2) mRNA, complete cds.//1.4e-08:178:65//M27878

R-PLACE1001634//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone H06C16, WORKING DRAFT SEQUENCE.//0.00026:221:62//Z92791

30 R-PLACE1001640//Homo sapiens chromosome 17, clone hRPK.651_L_9, complete sequence.//2.6e-83:441:95//AC005971

R-PLACE1001672//H.sapiens flow-sorted chromosome 6 TaqI fragment, SC6pA26H8.//0.91:115:69//Z79253

R-PLACE1001691//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds.//1.5e-111:545:97//AF069250

35 R-PLACE1001692//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//1.0e-46:478:75//AC005077

R-PLACE1001705//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 250D10, WORKING DRAFT SEQUENCE.//0.79:91:73//Z99716

R-PLACE1001716//Homo sapiens Xp22 PAC RPCI1-167A22 (from Roswell Park Cancer Center) complete sequence.//0.96:172:66//AC002349

40 R-PLACE1001720

R-PLACE1001729//Human interleukin-13 (IL-13) precursor gene, complete cds.//0.79:280:60//U31120

R-PLACE1001739//Homo sapiens chromosome 19, CIT-HSP-444n24, complete sequence.//1.0:109:65//AC005261

45 R-PLACE1001740//Homo sapiens BAC clone GS114I09 from 7p14-p15, complete sequence.//5.3e-11:249:67//AC006027

R-PLACE1001745

R-PLACE1001746//Homo sapiens chromosome 4 clone B200N5 map 4q25, complete sequence.//6.0e-05:337:61//AC005509

50 R-PLACE1001748//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//1.3e-91:540:89//AF061243

R-PLACE1001756//Human BAC clone RG302F04 from 7q31, complete sequence.//0.074:344:62//AC002463

R-PLACE1001761

R-PLACE1001771//Homo sapiens full-length insert cDNA clone ZD79C11.//4.4e-57:298:96//AF086426

R-PLACE1001781//T.thermophila micronuclear DNA containing to chromosomal breakage sequence Cbs-1, clone Tt819.//4.6e-05:282:61//M15711

55 R-PLACE1001799//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.015:331:58//AC004710

R-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds.//

EP 1 074 617 A2

4.1e-92:463:95//AF058953
R-PLACE1001821//***ALU WARNING: Human Alu-J subfamily consensus sequence.//3.6e-36:281:82//U14567
R-PLACE1001845//Mus musculus Paneth cell enhanced expression PCEE mRNA, complete cds.//9.1e-26:313:73//U37351
5 R-PLACE1001869
R-PLACE1001897//Mus musculus homeobox protein (D1x5) mRNA, complete cds.//0.0043:207:64//AF033011
R-PLACE1001912//RPCI11-25F23.TKBR RPCI-11 Homo sapiens genomic clone RPCI-11-25F23, genomic survey sequence.//6.3e-33:248:67//AQ013567
R-PLACE1001920//Homo sapiens TNF-induced protein GG2-1 mRNA, complete cds.//5.0e-73:363:98//AF070671
10 R-PLACE1001928//Homo sapiens chromosome 17, clone hRPK.642_C_21, complete sequence.//0.98:248:60//AC005245
R-PLACE1001983//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y40H7, WORKING DRAFT SEQUENCE.//0.12:157:61//AL021389
R-PLACE1001989//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 968D22, WORKING DRAFT SEQUENCE.//1.4e-44:376:80//AL023755
15 R-PLACE1002046//CITBI-E1-2520J24.TF CITBI-E1 Homo sapiens genomic clone 2520J24, genomic survey sequence.//4.5e-20:144:89//AQ280117
R-PLACE1002052//Human DNA sequence from cosmid U160A4, between markers DXS366 and DXS87 on chromosome X contains STS.//0.025:362:57//Z80900
20 R-PLACE1002066//Leishmania tarentolae maxicircle DNA fragment.//0.0034:197:62//X02438
R-PLACE1002072//Homo sapiens chromosome 5, P1 clone 854b11 (LBNL H44), complete sequence.//9.7e-06:414:60//AC004763
R-PLACE1002073
R-PLACE1002090//Homo sapiens Chromosome 16 BAC clone CIT987-SKA-345G4 ~complete genomic sequence, complete sequence.//1.8e-06:278:63//AC002302
25 R-PLACE1002115//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y214H10, WORKING DRAFT SEQUENCE.//6.0e-12:327:64//AL022344
R-PLACE1002119//Mus musculus IERS (Ier5) mRNA, complete cds.//5.1e-67:442:86//AF079527
R-PLACE1002140//Homo sapiens DNA sequence from PAC 454M7 on chromosome Xq25-26.3. Contains the OCRL1 gene for Lowe Oculocerebrorenal Syndrome protein OCRL-1.
30 Contains ESTs, STSs and GSSs, complete sequence.//2.2e-80:403:97//AL022162 R-PLACE1002150//Human DNA sequence from PAC 145B12 on chromosome Xq27-Xq28. Contains EST, CA repeat and STS.//0.043:455:59//AL008706
R-PLACE1002157//Human DNA sequence from Fosmid 65B7 on chromosome 22q11.2-qter. Contains exons 6-12 of the SLC5A1 (SGLT1) gene for solute carrier family 5 (sodium/glucose cotransporter) member 1 (High Affinity Sodium-Glucose Cotransporter), complete sequence.//9.8e-58:384:79//Z83849
35 R-PLACE1002163//Canis familiaris MHC class IIA DLA-DQA (DQA 1 allele) gene, exon 2, partial cds.//0.82:96:70//U44785
R-PLACE1002171//Homo sapiens PAC clone DJ1100F23 from 7q31, complete sequence.//0.83:196:65//AC004456
40 R-PLACE1002205//Human DNA sequence from PAC 436M11 on chromosome Xp22.11-22.2. Contains the serine threonine protein phosphatase gene PPEF1, and the first coding exon of the RS1 gene for retinoschisis (X-linked, juvenile) 1 (XLR51). Contains ESTs, an STS and GSSs, complete sequence.//0.0017:193:61//Z94056
R-PLACE1002213//Homo sapiens chromosome 19, fosmid 37308, complete sequence.//8.0e-42:330:81//AC004152
45 R-PLACE1002227//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//2.1e-10:126:80//AC003071
R-PLACE1002256//Homo sapiens clone DJ0853H20, WORKING DRAFT SEQUENCE, 5 unordered pieces.//2.7e-06:478:57//AC004907
50 R-PLACE1002259//Human DNA sequence from cosmid U75A4 on chromosome X.//6.5e-81:501:88//Z82255
R-PLACE1002319//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.00023:549:58//AC005505
R-PLACE1002342//Homo sapiens mRNA for KIAA0728 protein, partial cds.//4.9e-94:501:93//AB018271
R-PLACE1002395//Homo sapiens chromosome 19, cosmid R34382, complete sequence.//1.4e-69:385:93//AC005329
55 R-PLACE1002399//Human HepG2 3' region cDNA, clone hmd5d06.//2.4e-71:411:92//D16939
R-PLACE1002433//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 173D1, WORKING DRAFT SEQUENCE.//0.85:176:63//AL031984

EP 1 074 617 A2

R-PLACE1002437//Human BAC clone RG114A06 from 7q31, complete sequence.//0.0040:213:63//AC002542
R-PLACE1002438//CITBI-E1-2501M20.TF.1 CITBI-E1 Homo sapiens genomic clone 2501M20, genomic survey
sequence.//0.70:247:61//AQ242104
5 R-PLACE1002450//Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3.//
0.00060:471:59//AJ229041
R-PLACE1002465//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces.//
2.5e-10:98:81//AC004854
R-PLACE1002474//Mus musculus matrilin-2 precursor mRNA, complete cds.//1.7e-25:199:71//U69262
10 R-PLACE1002477//Human DNA sequence from PAC 50A13 on chromosome Xp11. Contains ATP SYNTHASE
LIPID BINDING PROTEIN P1 (P2, P3) precursor (ATP5G1, ATP5G2, ATP5G3) like pseudogene, ESTs and STSs.
Contains polymorphic CA repeat.//1.2e-11:382:63//Z92545
R-PLACE1002493//Homo sapiens signal transducing adaptor molecule 2A (STAM2) mRNA, complete cds.//1.1e-
53:307:91//AF042273
15 R-PLACE1002499//Plasmodium falciparum MAL3P6, complete sequence.//0.56:270:60//Z98551
R-PLACE1002500//CIT-HSP-2337C20.TR CIT-HSP Homo sapiens genomic clone 2337C20, genomic survey se-
quence.//3.2e-42:297:85//AQ037614
R-PLACE1002514//Human DNA Sequence *** SEQUENCING IN PROGRESS *** from clone 212A2, WORKING
DRAFT SEQUENCE.//7.8e-16:221:73//Z95114
20 R-PLACE1002529//Homo sapiens mRNA for KIAA0713 protein, partial cds.//1.6e-86:582:85//AB018256
R-PLACE1002532//Homo sapiens BAC clone RG300E22 from 7q21-q31.1, complete sequence.//9.0e-91:453:97//
AC004774
R-PLACE1002537//Hansenula wingei mitochondrial gene for NADH dehydrogenase subunit 5, complete cds.//
0.0042:489:60//D16253
25 R-PLACE1002571//Apis mellifera ligustica complete mitochondrial genome.//0.034:493:55//L06178
R-PLACE1002578//Homo sapiens chromosome 5, Pac clone 9c13 (LBNL H127), complete sequence.//2.5e-44:
292:84//AC006084
R-PLACE1002583//Homo sapiens wbscr1 (WBSCR1) and replication factor C subunit 2 (RFC2) genes, complete
cds.//3.1e-17:517:61//AF045555
30 R-PLACE1002591
R-PLACE1002598//Caenorhabditis elegans cosmid Y37D8A, complete sequence.//0.080:308:60//AL032626
R-PLACE1002604//Human cosmid LL12NC01-88A9, ETV6 gene, exons 6, 7 and 8 and partial cds.//0.0013:176:
65//U63313
R-PLACE1002625//HS_2233_B2_H04_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=2233 Col=8 Row=P, genomic survey sequence.//5.2e-13:137:79//AQ146663
35 R-PLACE1002665//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//5.8e-46:272:94//
AF079765
R-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds.//1.2e-
77:390:97//AF068180
40 R-PLACE1002714//Mus musculus clone OST2473, genomic survey sequence.//1.3e-35:328:78//AF046656
R-PLACE1002722//Sequence 1 from patent US 5686597.//1.7e-42:276:89//I73723
R-PLACE1002768//Homo sapiens Xp22 bins 169-171 BAC GSHB-383H3 (Genome Systems Human BAC Library)
complete sequence.//0.0098:197:64//AC005185
R-PLACE1002772//Homo sapiens PAC clone DJ0560O14 from 7q21.1-q21.2, complete sequence.//6.7e-49:378:
82//AC006145
45 R-PLACE1002782
R-PLACE1002794
R-PLACE1002811//CIT-HSP-2316H11.TF CIT-HSP Homo sapiens genomic clone 2316H11, genomic survey se-
quence.//6.0e-50:250:100//AQ034981
50 R-PLACE1002815//Sequence 2 from patent US 5747660.//2.7e-59:312:84//AR005279
R-PLACE1002816//Homo sapiens 12q13.1 PAC RPCI5-1057I20 (Roswell Park Cancer Institute Human PAC li-
brary) complete sequence.//6.3e-59:339:93//AC004466
R-PLACE1002834//Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and -9.//1.4e-78:413:95//
M27877
55 R-PLACE1002839//Homo sapiens PAC clone DJ0015I23 from 22, complete sequence.//6.5e-25:301:74//
AC004819
R-PLACE1002851//CIT-HSP-2317M9.TR CIT-HSP Homo sapiens genomic clone 2317M9, genomic survey se-
quence.//0.0011:210:61//AQ040519
R-PLACE1002853//Human interleukin 6 (IL6) gene, 3' flank.//5.8e-06:327:61//J03049

R-PLACE1002881
R-PLACE1002908//HS_3064_A1_D04_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3064 Col=7 Row=G, genomic survey sequence.//1.9e-09:156:72//AQ142985
R-PLACE1002941
5 R-PLACE1002962
R-PLACE1002968//Human DNA sequence from clone 109F14 on chromosome 6p21.2-21.3. Contains the alternatively spliced gene for Transcriptional Enhancer Factor TEF-5, the 60S Ribosomal Protein RPL10A gene, a PUTATIVE ZNF127 LIKE gene, and the PPAR Δ for Peroxisome Proliferator Activated Receptor Delta (PPAR-Delta, PPAR-Beta, Nuclear Hormone Receptor 1, NUC1, NUCI, PPARB). Contains three putative CpG islands, ESTs, STSs, GSSs and a ca repeat polymorphism, complete sequence.//1.9e-32:314:77//AL022721
10 R-PLACE1002991//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 968D22, WORKING DRAFT SEQUENCE.//1.6e-42:343:81//AL023755
R-PLACE1002993//Homo sapiens PAC clone DJ0899E09 from 7q11.23-q21.1, complete sequence.//0.56:88:72//AC004921
15 R-PLACE1002996//HS_2064_A1_A05_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2064 Col=9 Row=A, genomic survey sequence.//4.9e-18:117:95//AQ243211
R-PLACE1003025//Homo sapiens PAC clone DJ0560O14 from 7q21.1-q21.2, complete sequence.//0.26:428:58//AC006145
R-PLACE1003027//Homo sapiens chromosome 17, clone hRPK.700_H_6, complete sequence.//1.3e-95:465:98//AC005920
20 R-PLACE1003044
R-PLACE1003092//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-89, complete sequence.//3.6e-05:358:60//AL010266
R-PLACE1003100//HS_2244_A2_H12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2244 Col=24 Row=O, genomic survey sequence.//2.3e-42:288:86//AQ084224
25 R-PLACE1003108//Homo sapiens clone DJ0781A18, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.00066:233:61//AC004885
R-PLACE1003136//Plasmodium falciparum MAL3P2, complete sequence.//0.019:429:57//AL034558
R-PLACE1003145
30 R-PLACE1003153//Homo sapiens Xp22 BAC GSHB-536K7 (Genome Systems Human BAC library) complete sequence.//3.2e-05:390:58//AC004616
R-PLACE1003174//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MTE17, complete sequence.//2.4e-06:390:60//AB015479
R-PLACE1003176
35 R-PLACE1003190//Homo sapiens clone RG332P12, WORKING DRAFT SEQUENCE, 1 unordered pieces.//4.0e-78:406:81//AC005095
R-PLACE1003200//Plasmodium falciparum MAL3P6, complete sequence.//0.016:411:57//Z98551
R-PLACE1003205//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.00084:288:61//AC005139
40 R-PLACE1003238//Homo sapiens full-length insert cDNA clone ZD79H11.//7.6e-114:567:96//AF086432
R-PLACE1003249//Human Chromosome X, complete sequence.//1.3e-45:317:85//AC002416
R-PLACE1003256//Homo sapiens chromosome 17, clone HCIT421K24, complete sequence.//1.0e-45:328:85//AC004099
R-PLACE1003258
45 R-PLACE1003296//Diphtheria sp. 16S ribosomal RNA gene, mitochondrial gene encoding mitochondrial rRNA, partial sequence.//0.050:228:59//J39952
R-PLACE1003302//Figure 2. Nucleotide and translated protein sequences of HPF1, 2, and-9.//1.7e-91:458:96//M27877
R-PLACE1003334//Homo sapiens DNA sequence from BAC 217C2 on chromosome 22q13-q13.33. Contains a gene for the presumptive isolog of Rat RTP60 (nuclear pore complex protein Npap60). Contains ESTs, complete sequence.//4.3e-34:370:71//Z82243
50 R-PLACE1003342//CIT-HSP-2311D21.TF CIT-HSP Homo sapiens genomic clone 2311D21, genomic survey sequence.//1.0:159:68//AQ020460
R-PLACE1003343//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//1.1e-05:330:61//AC004153
55 R-PLACE1003353//Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete cds.//3.4e-98:469:98//U92715
R-PLACE1003361

EP 1 074 617 A2

R-PLACE1003366//Homo sapiens CAG repeated sequence//0.018:319:61//AJ006805
R-PLACE1003369//T18H17-T7 TAMU Arabidopsis thaliana genomic clone T18H17, genomic survey sequence//0.050:155:63//B20174
5 R-PLACE1003373//Homo sapiens chromosome 17, clone hRPC.1050_D_4, complete sequence//1.2e-62:434:83//AC004771
R-PLACE1003375//Dictyostelium discoideum golvesin (gol) gene, complete cds//0.042:263:57//U89350
R-PLACE1003383//Homo sapiens genomic DNA of 9q32 anti-oncogene of flat epithelium cancer, segment 10/10//1.7e-83:429:96//AB020878
10 R-PLACE1003401//Homo sapiens chromosome 17, clone hRPK.85_B_7, complete sequence//2.4e-13:175:76//AC005695
R-PLACE1003420//Homo sapiens PAC clone DJ0988G15 from 7q33-q35, complete sequence//2.1e-05:340:61//AC005587
R-PLACE1003454//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-64, complete sequence//0.47:411:58//AL009014
15 R-PLACE1003478//M.capricolum DNA for CONTIG MC175//0.51:253:59//Z33125
R-PLACE1003493//Homo sapiens chromosome 17, clone hRPK.394_K_10, complete sequence//4.6e-37:319:81//AC006080
R-PLACE1003516//CIT-HSP-2295M19.TF CIT-HSP Homo sapiens genomic clone 2295M19, genomic survey sequence//1.0e-40:251:90//AQ007480
20 R-PLACE1003519//Homo sapiens chromosome 21q22.3 PAC 141B3, complete sequence, containing ribosomal protein homologue pseudogene L23a//2.7e-29:163:89//AF064859
R-PLACE1003521//HS_3252_A2_G05_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3252 Col=10 Row=M, genomic survey sequence//0.00017:274:60//AQ221562
R-PLACE1003528//HS_2041_B1_B07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2041 Col=13 Row=D, genomic survey sequence//6.6e-40:219:83//AQ230483
25 R-PLACE1003537//Drosophila melanogaster mitochondrial cytochrome c oxidase subunits, ATPase6, 7 tRNAs (Trp, Cys, Tyr, Leu(UUR), Lys, Asp, Gly) genes, and unidentified reading frames A61, 2 and 3//8.3e-05:300:61//J01404
R-PLACE1003553//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 97P20, WORKING DRAFT SEQUENCE//2.7e-87:450:96//AL031297
30 R-PLACE1003566
R-PLACE1003575//Homo sapiens chromosome 16, cosmid clone 325D7, complete sequence//4.7e-20:148:78//AC003965
R-PLACE1003583//Human DNA sequence from PAC 388N15 on chromosome Xq21.1//3.5e-18:287:68//Z99571
35 R-PLACE1003584
R-PLACE1003592//Homo sapiens cosmid 223D9 from Xq28, complete sequence//2.5e-10:153:73//AF061032
R-PLACE1003593//Human BAC clone RG030H15 from 7q31, complete sequence//6.9e-07:240:65//AC002066
R-PLACE1003596//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y87G2, WORKING DRAFT SEQUENCE//0.13:393:60//AL022597
40 R-PLACE1003602//Homo sapiens mRNA expressed in placenta//2.4e-95:576:88//D83200
R-PLACE1003605//Homo sapiens BAC clone RG331C24 from 7q21, complete sequence//2.9e-19:302:71//AC002081
R-aaaaaaaaaaaaa
R-PLACE1003618//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 191E19, WORKING DRAFT SEQUENCE//8.3e-57:469:80//AL034451
45 R-PLACE1003625//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces//2.1e-05:339:62//AC004688
R-PLACE1003638//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1104E15, WORKING DRAFT SEQUENCE//2.5e-38:279:84//AL022312
50 R-PLACE1003669//HS_3054_A2_E07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3054 Col=14 Row=I, genomic survey sequence//0.014:265:61//AQ132713
R-PLACE1003704//HS_3213_A1_D12_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3213 Col=23 Row=G, genomic survey sequence//0.80:195:61//AQ176784
R-PLACE1003709//Human BAC clone RG126M09 from 7q21-q22, complete sequence//0.018:152:61//AC002067
55 R-PLACE1003711//Human endothelial nitric oxide synthase gene, complete cds//1.7e-61:366:89//D26607
R-PLACE1003723//Homo sapiens DNA sequence from clone 78F24 on chromosome 22q12.1-12.3. Contains one exon of an Oxysterol-binding protein (OSBP) LIKE gene. Contains GSSs and an STS, complete sequence//2.7e-

44:505:73//AL022336
 R-PLACE1003738//H.sapiens DNA sequence//0.93:185:60//Z22357
 R-PLACE1003760//Human globin gene//5.9e-97:538:91//M69023
 R-PLACE1003762//Homo sapiens chromosome 17, clone HCIT39G8, complete sequence//4.6e-13:134:79//
 5 AC003070
 R-PLACE1003768//Homo sapiens chromosome 17, clone hRPK.142_H_19, complete sequence//5.4e-12:189:
 71//AC005919
 R-PLACE1003771//Homo sapiens BAC clone GS164B05 from 7p21-p22, complete sequence//1.7e-119:619:95//
 AC004160
 10 R-PLACE1003783
 R-PLACE1003784//Homo sapiens chromosome 19, CIT-HSP-87m17 BAC clone, complete sequence//5.6e-15:
 204:74//AC004659
 R-PLACE1003795//CIT-HSP-2374C8.TR CIT-HSP Homo sapiens genomic clone 2374C8, genomic survey se-
 quence//7.0e-37:234:89//AQ114933
 15 R-PLACE1003833//Homo sapiens full-length insert cDNA clone ZE15C06//4.4e-59:313:95//AF086558
 R-PLACE1003850
 R-PLACE1003858
 R-nnnnnnnnnnnnn
 R-PLACE1003870//Homo sapiens Chromosome 22q11.2 Cosmid Clone 15a10 In DGCR Region, complete se-
 20 quence//8.7e-33:285:81//AC000072
 R-nnnnnnnnnnnnn
 R-PLACE1003886
 R-PLACE1003888//Homo sapiens chromosome 4 clone B71M12 map 4q25, complete sequence//0.73:127:65//
 AC004069
 25 R-PLACE1003900//Homo sapiens ADP/ATP carrier protein (ANT-2) gene, complete cds//1.9e-05:239:59//L78810
 R-PLACE1003903//Homo sapiens full-length insert cDNA clone ZD78D11//8.1e-74:369:97//AF086422
 R-PLACE1003915//Mus musculus bone morphogenetic protein-6 (BMP-6) gene, exons 6 and 7 and complete
 cds//0.56:247:61//U73520
 R-PLACE1003923//Caenorhabditis elegans cosmid Y57G11C, complete sequence//0.67:213:63//Z99281
 30 R-PLACE1003932//Human DNA sequence from cosmid U90B3, on chromosome Xp11, contains ESTs//8.7e-49:
 342:85//Z74022
 R-PLACE1003936//H.sapiens gene for ventricular myosin light chain 2//2.6e-09:394:61//Z15030
 R-PLACE1003968//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-62, complete
 sequence//1.3e-07:245:65//AL010247
 35 R-PLACE1004104
 R-PLACE1004114//Human PAC clone RG212D03, complete sequence//5.0e-07:336:61//AC002485
 R-PLACE1004118//HS_3092_B1_B01_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3092 Col=1 Row=D, genomic survey sequence//0.80:207:60//AQ128151
 R-PLACE1004128//Rattus norvegicus guanine nucleotide binding protein beta 4 subunit mRNA, partial cds//1.8e-
 40 06:193:66//AF022085
 R-PLACE1004149//HS_2253_A2_F11_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=2253 Col=22 Row=K, genomic survey sequence//2.4e-59:315:95//AQ129711
 R-PLACE1004156//Homo sapiens Xp22 bins 3-5 PAC RPC14-617A9 (Roswell Park Cancer Institute Human PAC
 Library) containing Arylsulfatase D and E genes, complete sequence//8.3e-53:299:76//AC005295
 45 R-PLACE1004161
 R-PLACE1004183//Homo sapiens for TOM1-like protein//1.3e-80:434:93//AJ010071
 R-PLACE1004197//RPC111-69N15.TK RPC111 Homo sapiens genomic clone R-69N15, genomic survey se-
 quence//0.0078:170:65//AQ265515
 R-PLACE1004203//Homo sapiens semaphorin L (SEMA4) mRNA, complete cds//3.4e-105:501:98//AF030698
 50 R-PLACE1004242//Homo sapiens DNA sequence from PAC 124C6 on chromosome 6q21. Contains genomic
 marker D6S1603, ESTs, GSSs and a STS with a CA repeat polymorphism, complete sequence//6.1e-65:373:86//
 AL021326
 R-PLACE1004256//Homo sapiens BAC clone NH0044G14 from 7q11.23-21.1, complete sequence//0.011:383:
 61//AC006031
 55 R-PLACE1004257//Homo sapiens Xp22 BAC GSHB-433024 (Genome Systems Human BAC library) complete
 sequence//3.4e-09:576:59//AC004470
 R-PLACE1004258//HS_3034_A1_B12_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3034 Col=23 Row=C, genomic survey sequence//1.4e-35:359:77//AQ128936

EP 1 074 617 A2

R-PLACE1004270//CITBI-E1-2504K14.TR CITBI-E1 Homo sapiens genomic clone 2504K14, genomic survey sequence.//2.7e-06:150:74//AQ261108

R-PLACE1004274//Homo sapiens BAC clone NH0436H22 from 2, complete sequence.//0.025:116:72//AC005234

R-PLACE1004277//Homo sapiens two pore domain K⁺ channel (TASK-2) mRNA, complete cds.//4.4e-106:581:91//AF084830

5 R-PLACE1004284//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.59:231:60//AC005308

R-PLACE1004289//Homo sapiens chromosome 17, clone hRPK.700_H_6, complete sequence.//5.8e-31:340:75//AC005920

10 R-PLACE1004302//Homo sapiens clone RG332P12, WORKING DRAFT SEQUENCE, 1 unordered pieces.//6.4e-90:572:86//AC005095

R-PLACE1004316//H.sapiens mRNA for apoptosis specific protein.//1.9e-113:590:94//Y11588

R-PLACE1004336//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1013A10, WORKING DRAFT SEQUENCE.//2.3e-65:292:82//AL033383

15 R-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds.//2.4e-70:379:93//AF100153

R-PLACE1004376//CIT-HSP-2287M8.TF CIT-HSP Homo sapiens genomic clone 2287M8, genomic survey sequence.//0.47:173:61//AQ000837

R-PLACE1004384//CIT-HSP-2316J11.TF CIT-HSP Homo sapiens genomic clone 2316J11, genomic survey sequence.//0.035:109:69//AQ037817

20 R-PLACE1004388//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-82, complete sequence.//4.2e-06:381:60//AL010149

R-PLACE1004405//Homo sapiens clone GS512I21, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.20:270:60//AC005027

25 R-PLACE1004425//Homo sapiens PAC clone DJ0733B09 from 7p14-p13, complete sequence.//1.3e-96:516:94//AC005532

R-PLACE1004428//Human DNA sequence from clone 888M10 on chromosome 1p36.11-36.31 Contains part of gene KIAA0453, EST, STS, GSS, complete sequence.//5.8e-10:279:65//AL031296

R-PLACE1004437//Human NAD⁺-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene encoding mitochondrial protein, complete cds.//2.9e-88:516:88//U49283

30 R-PLACE1004451//HS_2258_B2_F01_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2258 Col=2 Row=L, genomic survey sequence.//0.82:172:61//AQ221189

R-PLACE1004460

R-PLACE1004467//Syrian hamster carbamoylphosphate synthetase-aspartate transcarbamylasedihydroorotase (CAD) gene, exons 1 and 2.//1.2e-24:311:62//M31621

35 R-PLACE1004471//Homo Sapiens Chromosome X clone bWXD75, complete sequence.//2.1e-34:333:70//AC004389

R-PLACE1004473

R-PLACE1004491//Drosophila melanogaster Oregon-R mitochondrial A+T region.//1.0e-08:485:60//U11584

40 R-PLACE1004506

R-PLACE1004510//Plasmodium falciparum chromosome 2, section 64 of 73 of the complete sequence.//0.0094:543:56//AE001427

R-PLACE1004516//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//0.00011:343:59//AC003071

45 R-PLACE1004518

R-PLACE1004548//Homo sapiens Xp22 BAC GS-551O19 (Genome Systems Human BAC library) and cosmids U199A7 and U209F2 (Lawrence Livermore X chromosome cosmid library) containing part of human chloride channel 4 gene, complete sequence.//4.9e-40:245:80//AC003666

R-PLACE1004550

50 R-PLACE1004564//B.taurus mRNA for cleavage and polyadenylation specificity factor.//2.7e-82:532:86//X75931

R-PLACE1004629//Homo sapiens chromosome 7 clone UWGC:g3586a230 from 7p14-15, complete sequence.//0.015:437:59//AC004800

R-PLACE1004645//CIT-HSP-2370D6.TR CIT-HSP Homo sapiens genomic clone 2370D6, genomic survey sequence.//0.033:76:75//AQ110136

55 R-PLACE1004646//Homo sapiens cosmid 120C12 from Xq28, complete sequence.//2.0e-23:237:79//AF036876

R-PLACE1004658//Homo sapiens Chromosome 12p13.3 BAC RPC111-21K20 (Roswell Park Cancer Institute Human BAC Library) complete sequence.//7.1e-09:94:87//AC005343

R-nnnnnnnnnnnn//RPC111-79G23.TV RPC111 Homo sapiens genomic clone R-79G23, genomic survey se-

- quence.//2.2e-81:433:94//AQ283692
 R-PLACE1004672//Human ABL gene, exon 1b and intron 1b, and putative M8604 Met protein (M8604 Met) gene, complete cds.//2.7e-24:263:74//U07561
 R-PLACE1004674//Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds.//1.1e-89:513:91//AF035606
 5 R-PLACE1004681//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 3/11.//1.3e-96:498:95//AB020860
 R-PLACE1004686
 R-PLACE1004691//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 2/11.//2.1e-33:290:80//AB020859
 10 R-PLACE1004693//Caenorhabditis elegans cosmid Y2H9A, complete sequence.//1.0:195:60//AL021448
 R-PLACE1004716//CITBI-E1-2519C14.TR CITBI-E1 Homo sapiens genomic clone 2519C14, genomic survey sequence.//5.0e-43:245:93//AQ276965
 R-PLACE1004722//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.0022:360:60//AC005507
 15 R-PLACE1004736
 R-PLACE1004740
 R-nnnnnnnnnnnn//Homo sapiens ubiquitin-protein ligase E3-alpha (UBR1) mRNA, partial cds.//5.4e-105:575:92//AF061556
 20 R-PLACE1004751//Homo sapiens Xq28 BACs 360 F12, GSHB-555C13, complete sequence.//9.0e-26:317:76//AC002523
 R-PLACE1004773//Homo sapiens inversin protein mRNA, complete cds.//8.5e-88:437:96//AF084367
 R-PLACE1004777//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 3/15, WORKING DRAFT SEQUENCE.//0.050:138:65//AP000010
 25 R-PLACE1004793//Human endogenous retrovirus HERV-K(HML6) proviral clone HML6.17 putative polymerase and envelope genes, partial cds, and 3'LTR.//5.1e-58:313:80//U60269
 R-nnnnnnnnnnnn//Homo sapiens mRNA for KIAA0606 protein, partial cds.//5.8e-98:580:88//AB011178
 R-PLACE1004813//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//5.3e-09:256:64//AC005140
 30 R-PLACE1004814//Homo sapiens okadaic acid-inducible phosphoprotein (QA48-18) mRNA, complete cds.//3.5e-107:358:99//AF069250
 R-PLACE1004815//Human Chromosome 11q12.2 PAC clone pDJ606g6, complete sequence.//3.8e-61:353:89//AC004126
 R-PLACE1004824//Homo sapiens chromosome 17, clone hCIT.468_F_23, WORKING DRAFT SEQUENCE, 3 unordered pieces.//5.7e-42:364:79//AC004666
 35 R-PLACE1004827//Homo sapiens Xp22 BAC GS-594A7 (Genome Systems Human BAC library) contains Bmx gene, complete sequence.//2.7e-14:156:79//AC003669
 R-PLACE1004836//HS_2270_A2_H10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2270 Col=20 Row=O, genomic survey sequence.//8.6e-51:267:96//AQ164110
 40 R-PLACE1004838//CIT-HSP-2343E10.TR CIT-HSP Homo sapiens genomic clone 2343E10, genomic survey sequence.//0.071:168:63//AQ058544
 R-PLACE1004840//Sequence 4 from patent US 5728819.//1.6e-26:150:98//I92820
 R-PLACE1004868//Human Chromosome X clone bWDX342, complete sequence.//0.57:344:59//AC004072
 R-PLACE1004885//HS_3235_B2_E07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3235 Col=14 Row=J, genomic survey sequence.//1.1e-38:175:78//AQ210193
 45 R-PLACE1004900//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alternatively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//2.0e-44:334:84//AL022577
 50 R-PLACE1004902
 R-nnnnnnnnnnnn//Human DNA sequence from clone J428A131, WORKING DRAFT SEQUENCE.//7.7e-58:377:87//Z82209
 R-PLACE1004918//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-248F7, complete sequence.//0.00084:373:60//AC004605
 55 R-PLACE1004930//Homo sapiens MDC-3.13 isoform 1 mRNA, complete cds.//2.0e-100:532:93//AF099936
 R-PLACE1004934//Homo sapiens clone RG062N11, WORKING DRAFT SEQUENCE, 2 unordered pieces.//0.00030:198:66//AC005683
 R-PLACE1004937//Caenorhabditis elegans SEL-10 (sel-10) mRNA, complete cds.//1.3e-13:367:61//AF020788

EP 1 074 617 A2

R-PLACE1004969//Human DNA sequence from clone LUCA7 on chromosome 3, complete sequence //0.97:116:71//Z84494
R-PLACE1004972
R-PLACE1004979//Plasmodium falciparum MAL3P4, complete sequence //0.74:304:60//AL008970
5 R-PLACE1004982//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces //4.7e-05:495:57//AC005308
R-PLACE1004985//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 451B21, WORKING DRAFT SEQUENCE //2.5e-10:410:60//AL033522
10 R-PLACE1005026//Homo sapiens PAC clone DJ0907C10 from 7q31-3q32, complete sequence //2.7e-56:158:99//AC004925
R-PLACE1005027
R-PLACE1005046//Homo sapiens chromosome 19, cosmid F20237, complete sequence //3.1e-63:438:86//AC005775
R-PLACE1005052//Homo sapiens chromosome Xp22-135-136 clone GSHB-56711, WORKING DRAFT SE-
15 QUENCE, 35 unordered pieces //6.1e-87:301:98//AC005867
R-PLACE1005066//Human DNA sequence from clone 67K17 on chromosome 6q24.1-24.3. Contains the HIVP2 (Schnurri-2) gene for HIV type 1 Enhancer-binding Protein 2, and a possible pseudogene in an intron of this gene. Contains STSs and GSSs and an AAT repeat polymorphism, complete sequence //1.1e-09:453:61//AL023584
R-PLACE1005077//H.sapiens genes for semenogelin I and semenogelin II //2.6e-05:199:66//Z47556
20 R-PLACE1005085//Homo sapiens chromosome 17, clone hRPK.293_K_20, complete sequence //2.1e-42:384:69//AC005495
R-PLACE1005086//RPCI11-30H10.TV RPCI-11 Homo sapiens genomic clone RPCI-11-30H10, genomic survey sequence //0.13:112:67//B87788
R-PLACE1005101//Homo sapiens (clone zap128) mRNA, 3' end of cds //2.5e-97:531:92//L40401
25 R-PLACE1005102//Homo sapiens chromosome 19, cosmid R29388, complete sequence //1.3e-91:504:92//AC004476
R-PLACE1005108//Homo sapiens BAC129, complete sequence //4.0e-28:232:84//U85195
R-PLACE1005111//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 566H6, WORKING DRAFT SEQUENCE //3.0e-18:174:74//AL031845
30 R-PLACE1005128
R-PLACE1005146
R-PLACE1005162//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces //2.4e-07:273:61//AC005140
R-NNNNNNNNNN//Rat alternatively spliced mRNA //8.1e-20:185:82//M93018
35 R-PLACE1005181//HS_2182_B2_B05_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2182 Col=10 Row=D, genomic survey sequence //4.9e-05:193:65//AQ030787
R-PLACE1005187//Arabidopsis thaliana chromosome II BAC T14A4 genomic sequence, complete sequence //0.00073:264:60//AC006161
R-PLACE1005206//Homo sapiens full-length insert cDNA YN66A06 //6.3e-64:343:93//AF075043
40 R-PLACE1005232//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 25J6, WORKING DRAFT SEQUENCE //1.3e-34:286:81//Z84476
R-PLACE1005243
R-PLACE1005261//Caenorhabditis elegans cosmid ZK666, complete sequence //0.66:180:60//Z49132
R-PLACE1005266//Homo sapiens clone RG122E10, complete sequence //1.3e-15:166:78//AC005067
45 R-PLACE1005277//CITBI-E1-2514D4.TF CITBI-E1 Homo sapiens genomic clone 2514D4, genomic survey sequence //2.5e-34:358:74//AQ265720
R-PLACE1005287//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P1, WORKING DRAFT SEQUENCE //4.1e-07:495:60//AL031744
R-PLACE1005305//HS_3180_B2_D02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3180 Col=4 Row=H, genomic survey sequence //1.1e-42:308:85//AQ169443
50 R-PLACE1005308
R-PLACE1005313//Human Chromosome 11 pac pDJ227b23, WORKING DRAFT SEQUENCE, 19 unordered pieces //0.00048:320:60//AC000383
R-PLACE1005327//chromosome 1 specific transcript KIAA0491 //5.4e-103:537:94//AB007960
55 R-PLACE1005331//Homo sapiens chromosome 19, cosmid F20569, complete sequence //2.2e-94:536:91//AC004794
R-PLACE1005335//Human Chromosome 3 pac pDJ70i11, WORKING DRAFT SEQUENCE, 2 unordered pieces //5.3e-32:313:79//AC000380

EP 1 074 617 A2

R-PLACE1005373//Homo sapiens BAC129, complete sequence.//8.8e-10:229:68//U85195
R-PLACE1005374//Homo sapiens chromosome 17, clone hRPK.401_O_9, complete sequence.//3.0e-44:434:77//
AC005291
5 R-PLACE1005409//Human BAC clone RG167B05 from 7q21, complete sequence.//8.8e-105:529:96//AC003991
R-PLACE1005453//Human PAC clone DJ327A19 from Xq25-q26, complete sequence.//4.7e-39:302:82//
AC002477
R-PLACE1005467//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 167P19, WORKING
DRAFT SEQUENCE.//1.1e-40:328:81//Z93014
10 R-PLACE1005471//Human DNA sequence from clone 395P12 on chromosome 1q24-25. Contains the TXGP1
gene for tax-transcriptionally activated glycoprotein 1 (34kD) (OX40 ligand, OX40L) and a GOT2 (Aspartate Ami-
notransferase, mitochondrial precursor, EC 2.6.1.1, Transaminase A, Glutamate Oxaloacetate Transaminase-2)
pseudogene. Contains ESTs, STSs and GSSs, complete sequence.//6.4e-68:409:90//AL022310
R-PLACE1005477//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 32B1, WORKING
DRAFT SEQUENCE.//0.020:216:66//AL023693
15 R-PLACE1005480//Homo sapiens chromosome 19, CIT-HSP BAC 490g23 (BC338531), complete sequence.//
2.8e-44:327:70//AC005392
R-PLACE1005481//Homo sapiens-chromosome 17, clone hRPC.1164_O_3, complete sequence.//4.2e-23:284:
74//AC004703
20 R-PLACE1005494//Danio rerio homeobox protein LIM-3 (lim3) gene, exon 4.//0.19:468:60//AF031631
R-PLACE1005502//Homo sapiens formin binding protein 21 mRNA, complete cds.//1.6e-55:277:98//AF071185
R-PLACE1005526//Human mRNA for alpha-1 type II collagen.//0.10:227:63//X16468
R-PLACE1005528//Homo sapiens genomic DNA, chromosome 21q11.1, segment 9/28, WORKING DRAFT SE-
QUENCE.//2.3e-76:395:96//AP000038
25 R-PLACE1005530//C.familiaris CA repeat sequence (isolate).//0.023:90:75//X86184
R-PLACE1005550//Fugu rubripes GSS sequence, clone 048A08bH1, genomic survey sequence.//2.0e-09:235:
64//AL025928
R-PLACE1005554//Homo sapiens chromosome 17, clone hRPK.215_P_18, complete sequence.//0.069:305:60//
AC005969
30 R-PLACE1005557//Homo sapiens chromosome 17, clone hRPC.117_B_12, complete sequence.//4.3e-105:587:
91//AC004707
R-PLACE1005574//Human BAC 367D17 from chromosome 18, complete sequence.//1.5e-17:274:67//AC003971
R-PLACE1005584//Homo sapiens PAC clone DJ1186C01 from 7q21.2-q31.1, complete sequence.//2.7e-15:191:
77//AC004991
35 R-PLACE1005595//Human Chromosome 11q12.2 PAC clone pDJ606g6, complete sequence.//6.4e-90:453:96//
AC004126
R-PLACE1005603//Homo sapiens cosmid clone U169D2 from Xp22.1-22.2, complete sequence.//0.69:322:61//
U72788
R-PLACE1005611//Borrelia burgdorferi plasmid cp18, OspE (ospE) gene, partial cds.//0.059:473:56//U42599
40 R-PLACE1005623//Homo sapiens full-length insert cDNA clone ZD76B03.//1.6e-113:575:95//AF086405
R-PLACE1005630//High throughput sequencing of human chromosome 12, WORKING DRAFT SEQUENCE, 1
ordered pieces.//5.6e-79:270:94//AC005840
R-PLACE1005639//Human BAC clone RG022J17 from 7q21, complete sequence.//8.2e-56:441:83//AC002382
R-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds.//3.2e-110:585:93//
AF083255
45 R-PLACE1005656//Homo sapiens chromosome 17, clone hRPK.628_E_12, complete sequence.//8.6e-08:505:
58//AC005701
R-PLACE1005666//Human DNA sequence from PAC 360E18 on chromosome X contains EST, CpG island and
polymorphic CA repeat.//3.2e-27:307:72//Z82203
50 R-PLACE1005698//344B22.TV CIT978SKA1 Homo sapiens genomic clone A-344B22, genomic survey se-
quence.//0.030:91:70//B15144
R-PLACE1005727//Human variable number tandem repeat (VNTR) region, allele 17R1 3' to collagen type II
(COL2A1) gene.//5.2e-10:587:59//L10171
R-PLACE1005730//Homo sapiens ADP/ATP carrier protein (ANT-2) gene, complete cds.//0.0039:239:58//L78810
55 R-PLACE1005739//Mus musculus IFN-gamma induced (Mg11) mRNA, complete cds.//2.2e-21:270:72//U15635
R-PLACE1005755//Caenorhabditis elegans cosmid M03F4.//6.9e-08:219:64//U64601
R-PLACE1005763//Human mRNA for KIAA0118 gene, partial cds.//1.0e-45:268:87//D42087
R-PLACE1005799//Human X chromosome mRNA for CCG1 protein inv. in cell proliferation.//0.030:91:78//X07024
R-PLACE1005802//Homo sapiens PAC clone DJ044L15 from Xq23, complete sequence.//1.4e-69:391:92//

- AC004827
R-PLACE1005803
R-PLACE1005804//Human BAC clone RG341D10 from 7p15-p21, complete sequence.//1.8e-21:175:75//AC002530
- 5 R-PLACE1005828//Homo sapiens chromosome 17, clone hRPC.971_F_3, WORKING DRAFT SEQUENCE, 1 ordered pieces.//2.9e-56:333:91//AC004150
R-PLACE1005834//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P2, WORKING DRAFT SEQUENCE.//0.020:513:55//AL031745
R-PLACE1005845//Rabbit mRNA for protein phosphatase 2A-beta.//1.8e-10:182:69//Y00763 R-PLACE1005850
- 10 R-PLACE1005851//Homo sapiens clone DJ0789105, WORKING DRAFT SEQUENCE, 2 unordered pieces.//5.5e-06:318:63//AC004887
R-PLACE1005876//B.taurus mRNA for cleavage and polyadenylation specificity factor.//6.7e-28:366:72//X75931
R-PLACE1005884//Human DNA sequence from cosmid V526F1, between markers DXS366 and DXS87 on chromosome X contains STS.//1.0e-06:306:64//Z70281
- 15 R-PLACE1005898//Plasmodium falciparum 3D7 chromosome 12 PFYAC336 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.0094:449:59//AC005139
R-PLACE1005921//CITBI-E1-2509N21.TF CITBI-E1 Homo sapiens genomic clone 2509N21, -genomic survey sequence.//4.8e-84:494:89//AQ261347
R-PLACE1005923//RPC111 Homo sapiens genomic clone R-65N9, genomic survey sequence.//
- 20 8.3e-97:520:93//AQ237243
R-PLACE1005925//Human DNA sequence from clone 231L4 on chromosome Xq27.1-27.3 Contains GSS, STS, complete sequence.//5.2e-67:578:78//AL022719
R-PLACE1005932//Caenorhabditis elegans cosmid Y52B11A, complete sequence.//0.0035:176:62//AL032654
R-PLACE1005934
- 25 R-PLACE1005936//Arabidopsis Thaliana BAC F6A4, Chromosome IV, near 60.5 cM, complete sequence.//0.00021:272:62//AF069716
R-PLACE1005951
R-PLACE1005953//Caenorhabditis elegans cosmid F09E5.//1.3e-07:349:60//U37429
R-PLACE1005955//Human HepG2 3' region Mbol cDNA, clone hmd1d01m3.//8.3e-08:128:70//D17131
- 30 R-PLACE1005966//Pontia protodice large subunit ribosomal RNA gene, partial sequence; tRNA-Val gene, complete sequence; and small subunit ribosomal RNA gene, partial sequence, mitochondrial genes for mitochondrial RNAs.//7.0e-09:549:59//AF044863
R-PLACE1005968//Rattus norvegicus mRNA for p47, complete cds.//1.1e-51:394:81//AB002086
R-PLACE1005990//Homo sapiens chromosome 12p13.3 clone RPC11-407G6, WORKING DRAFT SEQUENCE, 51 ordered pieces.//4.4e-63:369:91//AC005866
- 35 R-PLACE1006002//Human cosmid CRI-JC2015 at D10S289 in 10sp13.//5.9e-27:299:74//U15177
R-PLACE1006003//Mus musculus clone OST18050, genomic survey sequence.//3.5e-07:164:67//AF046375
R-PLACE1006011//Mus musculus poly-(ADPriboseyl)-transferase homolog PARP mRNA, complete cds.//1.1e-32:266:83//AF072521
- 40 R-PLACE1006017//Homo sapiens Chromosome 22q11.2 Cosmid Clone 31e In DGCR Region, complete sequence.//1.8e-17:164:82//AC000077
R-PLACE1006037//Mus musculus B6D2F1 clone 2C11B mRNA.//2.0e-49:557:72//U01139
R-PLACE1006040//Homo sapiens mRNA for alpha endosulfine.//4.3e-13:128:81//X99906
R-PLACE1006076//Homo sapiens clone DJ0781A18, WORKING DRAFT SEQUENCE, 3 unordered pieces.//3.3e-
- 45 18:220:74//AC004885
R-PLACE1006119//Plasmodium berghei (STRAIN ANKA) gamma-GCS gene, complete CDS.//0.0050:271:63//AJ005122
R-PLACE1006129//Drosophila melanogaster, chromosome 2R, region 31C1-31D6, P1 clone DS08879, complete sequence.//0.43:178:65//AC005454
- 50 R-PLACE1006139//Homo sapiens PAC clone DJ0659J06 from 7q33-q35, complete sequence.//7.5e-13:222:68//AC004849
R-PLACE1006143//Plasmodium falciparum MAL3P6, complete sequence.//0.00019:455:59//Z98551
R-PLACE1006157//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL4P1, WORKING DRAFT SEQUENCE.//0.00018:351:60//AL034557
- 55 R-PLACE1006159//Homo sapiens chromosome 10 clone LA10NC01_124_D_3 map 10q25.1, WORKING DRAFT SEQUENCE, 1 ordered pieces.//1.0e-113:586:96//AC006103
R-PLACE1006164//Human hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds.//1.0e-

28:342:75//U91328
 R-PLACE1006167//Homo sapiens full-length insert cDNA clone ZE14E04//4.6e-77:426:93//AF086555
 R-nnnnnnnnnnnn//Mouse mRNA for alpha-adaptin (C)//3.0e-46:188:82//X14972
 R-PLACE1006187//Homo sapiens cyclin E2 mRNA, complete cds//1.6e-116:597:95//AF091433
 5 R-PLACE1006195//Homo sapiens chromosome 19, fosmid 39554, complete sequence//8.8e-11:148:74//
 AC004410
 R-PLACE1006196
 R-PLACE1006205//Genomic sequence from Mouse 11, complete sequence//8.4e-44:332:85//AC000398
 R-PLACE1006223//Human DNA sequence from cosmid U74C11, between markers DXS6791 and DXS8038 on
 10 chromosome X contains ESTs//0.041:215:61//Z73362
 R-PLACE1006225//Caenorhabditis elegans cosmid Y69H2, complete sequence//9.7e-13:358:63//Z98877
 R-PLACE1006236//Plasmodium falciparum MAL3P4, complete sequence//0.00019:538:58//AL008970
 R-nnnnnnnnnnnn//Homo sapiens BAC clone RG118D07 from 7q31, complete sequence//3.1e-96:497:95//
 AC004142
 15 R-PLACE1006246//Homo sapiens clone NH0144M13, WORKING DRAFT SEQUENCE, 1 unordered pieces//
 0.029:499:56//AC006034
 R-PLACE1006248//Homo sapiens mRNA for KIAA0648 protein, partial cds//9.2e-96:499:95//AB014548
 R-PLACE1006262//Homo sapiens Xp22 GSHB-314C4 (Genome Systems Human BAC library) complete se-
 quence//0.00043:160:66//AC004087
 20 R-PLACE1006288//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 20N2, WORKING
 DRAFT SEQUENCE//3.5e-120:611:96//AL031320
 R-PLACE1006318
 R-PLACE1006325//Plasmodium falciparum MAL3P8, complete sequence//1.0:426:57//AL034560
 R-PLACE1006335//Human DNA sequence from PAC 849L7 on chromosome Xq21//0.96:173:66//AL008987
 25 R-PLACE1006357//P.falciparum complete gene map of plastid-like DNA (IR-B)//1.9e-07:491:58//X95276
 R-PLACE1006360//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence//0.25:484:
 56//AE001398
 R-PLACE1006368//Caenorhabditis elegans cosmid Y38H6C, complete sequence//1.0:240:59//AL031630
 R-PLACE1006371//Homo sapiens chromosome 16, cosmid clone 360H6 (LANL), complete sequence//3.7e-101:
 30 574:91//AC004232
 R-PLACE1006382
 R-PLACE1006385//Mus musculus intersectin-EH binding protein lbp2 mRNA, partial cds//1.4e-50:350:86//
 AF057286
 R-PLACE1006412//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces//
 35 5.1e-51:339:82//AC004854
 R-PLACE1006414//Homo sapiens 12p13.3 PAC RPCI5-927J10 (Roswell Park Cancer Institute Human PAC li-
 brary) complete sequence//1.6e-38:297:84//AC004804
 R-PLACE1006438//Homo sapiens full-length insert cDNA YH73H06//7.6e-73:422:90//AF074985
 R-PLACE1006445//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1018K9, WORKING
 40 DRAFT SEQUENCE//3.0e-07:376:61//AL031726
 R-PLACE1006469
 R-PLACE1006470//Mouse B1 repetitive sequence DNA//1.0:96:66//M24152
 R-PLACE1006482//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 447C4, WORKING
 DRAFT SEQUENCE//3.0e-101:535:94//AL021977
 45 R-PLACE1006492//Homo sapiens chromosome 17, clone hRPK.180_P_8, complete sequence//0.78:44:95//
 AC005972
 R-PLACE1006506//R.norvegicus BSP gene//1.0:206:60//X86100
 R-PLACE1006521//RPCI11-13L8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-13L8, genomic survey se-
 quence//9.0e-17:414:61//B75158
 50 R-PLACE1006531//Plasmodium falciparum coronin gene, isolate 3D7//0.98:186:63//AJ002197
 R-PLACE1006534//Anopheles gambiae complete mitochondrial genome//0.051:412:61//L20934
 R-PLACE1006540//Homo sapiens clone UWGC:y55c025 from 6p21, complete sequence//7.5e-41:470:70//
 AC004209
 R-PLACE1006552//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y47D3,
 55 WORKING DRAFT SEQUENCE//0.57:355:57//Z98865
 R-PLACE1006598//Plasmodium falciparum 3D7 chromosome 12 PFYAC588 genomic sequence, WORKING
 DRAFT SEQUENCE, 2 unordered pieces//0.016:291:58//AC004710
 R-PLACE1006615//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds//

2.9e-116:590:95//U97670
 R-PLACE1006617//Homo sapiens chromosome 4 clone B207D4 map 4q25, complete sequence.//2.2e-45:209:88//AC004050
 R-PLACE1006626//C. elegans cosmid K12H4.//1.2e-16:344:64//L14331
 5 R-PLACE1006629//Homo sapiens chromosome 19, cosmid F20900, complete sequence.//2.8e-25:343:70//AC006128
 R-PLACE1006640//CIT-HSP-2169L1.TF CIT-HSP Homo sapiens genomic clone 2169L1, genomic survey sequence.//0.00020:201:62//B90038
 R-PLACE1006673//Homo sapiens clone DJ076B20, WORKING DRAFT SEQUENCE, 6 unordered pieces.//1.4e-42:309:84//AC004882
 10 R-PLACE1006678//Homo sapiens PAC clone DJ1166G19 from 7p12-p11.2, complete sequence.//6.4e-09:454:59//AC006024
 R-PLACE1006704//Human DNA sequence from clone 249C1 on chromosome Xq21.1-22.2 Contains GSS, complete sequence.//0.56:226:63//AL022154
 15 R-PLACE1006731//Homo sapiens clone 23923 mRNA sequence.//6.0e-101:486:98//AF038172
 R-PLACE1006754//Homo sapiens chromosome 19, cosmid R29124, complete sequence.//1.4e-68:381:93//AC005626
 R-PLACE1006760//Homo sapiens clone 24800 mRNA sequence.//6.2e-72:397:92//AF070622
 R-PLACE1006779//Rattus norvegicus intestinal trefoil factor gene, promoter and partial cds.//1.6e-11:420:61//U20984
 20 R-PLACE1006782//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y47D3, WORKING DRAFT SEQUENCE.//0.60:321:58//Z98865
 R-PLACE1006792//Homo sapiens chromosome 4 clone C0026P05 map 4P16, complete sequence.//2.9e-40:379:77//AC005599
 25 R-PLACE1006795//Homo sapiens BAC clone RG281G05 from 7p15-p21, complete sequence.//6.2e-07:291:63//AC005083
 R-PLACE1006800//HS_2270_B1_D02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2270 Col=3 Row=H, genomic survey sequence.//4.1e-76:367:99//AQ085793
 R-PLACE1006805//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//0.00058:354:59//AC005507
 30 R-PLACE1006815//HS_3028_B1_B04_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3028 Col=7 Row=D, genomic survey sequence.//1.5e-33:251:77//AQ120174
 R-PLACE1006819//Human DNA sequence from PAC 121G13 on chromosome 6 contains flow sorted chromosome 6 HindIII fragment ESTs. polymorphic CA repeat, CpG island, CpG island genomic fragments.//1.4e-76:544:84//Z86062
 35 R-PLACE1006829
 R-PLACE1006860
 R-PLACE1006867//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 323M4, WORKING DRAFT SEQUENCE.//3.2e-107:549:95//AL033378
 40 R-PLACE1006878//Homo sapiens full-length insert cDNA clone ZB55G05.//1.4e-46:241:97//AF086155
 R-PLACE1006883//Homo sapiens chromosome 16, cosmid clone 360H6 (LANL), complete sequence.//1.3e-38:283:85//AC004232
 R-aaaaaaaaaaaaaa
 R-PLACE1006904//Human DNA sequence from PAC 360E18 on chromosome X contains EST, CpG island and polymorphic CA repeat.//4.1e-15:477:62//Z82203
 45 R-PLACE1006917//Homo sapiens Xp22 bins 45-47 BAC GSHB-665N22 (Genome Systems Human BAC Library) complete sequence.//1.3e-42:305:87//AC005184
 R-PLACE1006932
 R-PLACE1006935//Human DNA sequence from PAC 117P19 on chromosome X.//0.0014:114:74//Z86061
 50 R-aaaaaaaaaaaaaa//Mouse mRNA for germ cell specific protein APG-1, complete cds.//9.5e-85:590:83//D49482
 R-PLACE1006961//Homo sapiens chromosome 17, clone hRPK.349_A_8, complete sequence.//6.7e-42:295:86//AC005544
 R-PLACE1006962//Homo sapiens Xp22 PAC RPC11-167A22 (from Roswell Park Cancer Center) complete sequence.//1.1e-19:302:71//AC002349
 55 R-PLACE1006966//HS_2219_B2_C02_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2219 Col=4 Row=F, genomic survey sequencer.//0.019:180:63//AQ145873
 R-PLACE1006989
 R-PLACE1007014

- R-PLACE1007021//Homo sapiens chromosome 12p13.3 clone RPCI3-454B23, WORKING DRAFT SEQUENCE, 48 unordered pieces.//1.6e-23:362:70//AC005845
- R-PLACE1007045//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 32B1, WORKING DRAFT SEQUENCE.//2.3e-90:584:86//AL023693
- 5 R-PLACE1007053//Homo sapiens clone DJ0810E06, WORKING DRAFT SEQUENCE, 8 unordered pieces.//2.4e-108:550:96//AC004895
- R-PLACE1007097//Homo sapiens DNA sequence from BAC 55C20 on chromosome 6. Contains a Spinal Muscular Atrophy (SMA3) LIKE gene overlapping with a beta-glucuronidase LIKE pseudogene. Contains a membrane protein LIKE pseudogene, a Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) LIKE pseudogene, five predicted tRNA genes. Contains ESTs, GSSs (BAC end sequences) and a CA repeat polymorphism, complete sequence.//1.8e-103:552:93//AL021368
- 10 R-PLACE1007105//Mus musculus muskulin mRNA, complete cds.//2.7e-32:379:73//U72194
- R-PLACE1007111//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.14:422:57//AC004688
- 15 R-PLACE1007112//Cynips cornifex cytb gene.//0.020:427:58//AJ228479
- R-PLACE1007132//Homo sapiens full-length insert cDNA YH77E09.//5.7e-107:535:96//AF074987
- R-PLACE1007140//Homo sapiens clone RG030L05, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.36:408:58//AC005050
- R-PLACE1007178//Homo sapiens clone HEA4 Cri-du-chat region mRNA.//0.99:63:73//AF009283
- 20 R-PLACE1007226
- R-PLACE1007238
- R-PLACE1007239//Homo sapiens mRNA for transcription elongation factor S-II, hS-II-T1, complete cds.//2.0e-91:534:89//D50495
- R-PLACE1007242//CITBI-E1-2512M9.TF CITBI-E1 Homo sapiens genomic clone 2512M9, genomic survey sequence.//1.3e-05:117:76//AQ279454
- 25 R-PLACE1007243//Prototheca wickerhamii 263-11 complete mitochondrial DNA.//0.21:284:58//U02970
- R-PLACE1007257//Homo sapiens mRNA for dia-12c protein.//6.9e-113:607:93//Y15908
- R-PLACE1007274//Homo sapiens chromosome 17, clone hRPK.394_K_10, complete sequence.//4.4e-10:135:74//AC006080
- 30 R-PLACE1007276//Homo sapiens BAC clone 255A7 from 8q21 containing NBS1 gene, complete sequence.//1.7e-36:435:72//AF069291
- R-PLACE1007282//B.garinii (strain TIs1) p83/100 gene (partial).//0.95:183:60//X81533
- R-PLACE1007286//RPCI11-13L8.TV RPCI-11 Homo sapiens genomic clone RPCI-11-13L8, genomic survey sequence.//6.1e-55:519:76//B75158
- 35 R-PLACE1007301//Human DNA sequence from PAC 106H8 on chromosome 1q24. Contains PHOSPHATIDYLINOSITOL-GLYCAN class C (PIG-C) and DYNAMIN-3 genes. Contains ESTs and STSs and a CpG island.//0.75:180:62//Z97195
- R-PLACE1007317//Drosophila dasyncnemia 16S ribosomal RNA gene, mitochondrial gene for mitochondrial RNA, partial sequence.//0.59:236:59//U94253
- 40 R-PLACE1007342
- R-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds.//3.7e-65:367:91//AF096870
- R-PLACE1007367//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-628 genomic sequence, WORKING DRAFT SEQUENCE, 9 unordered pieces.//1.0e-06:385:62//AC005507
- 45 R-PLACE1007375//Plasmodium falciparum 3D7 chromosome 12 PFYAC1122 genomic sequence, WORKING DRAFT SEQUENCE, 3 unordered pieces.//0.10:309:59//AC004709
- R-PLACE1007386//Reclinomonas americana mitochondrial DNA, complete genome.//0.0012:403:58//AF007261
- R-PLACE1007402//HS_2055_A2_D03_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2055 Col=6 Row=G, genomic survey sequence.//0.0046:88:79//AQ234824
- 50 R-PLACE1007409//Homo sapiens mitoxantrone resistance protein 1 mRNA, partial sequence.//7.6e-112:590:94//AF093771
- R-PLACE1007416//Homo sapiens chromosome 19, cosmid R26894, complete sequence.//0.96:98:70//AC005594
- R-PLACE1007450//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 54B20, WORKING DRAFT SEQUENCE.//1.7e-39:308:82//Z98304
- 55 R-PLACE1007452//Homo sapiens PAC clone DJ0320J15 from Xq23, complete sequence.//2.6e-59:389:82//AC004081
- R-PLACE1007460
- R-PLACE1007478//Homo sapiens 12q13.1 PAC RPCI3-197B17 (Roswell Park Cancer Institute Human PAC li-

brary) complete sequence.//7.0e-08:335:60//AC004241
R-PLACE1007484
R-PLACE1007488//Glossina morsitans morsitans 16S ribosomal RNA gene, mitochondrial gene for mitochondrial RNA, partial sequence.//2.5e-05:421:61//AF072373
5 R-PLACE1007507//Plasmodium falciparum MAL3P7, complete sequence.//2.3e-09:577:57//AL034559
R-PLACE1007511//Homo sapiens chromosome 17, clone hRPC.1110_E_20, complete sequence.//1.2e-79:387:96//AC004231
R-PLACE1007524//Homo sapiens chromosome 19, overlapping cosmids F18547, F11133, R27945, R28830 and R32804, complete sequence.//3.4e-09:148:73//AC003682
10 R-PLACE1007525//Homo sapiens Chromosome 16 BAC clone CIT987SK-44M2, complete sequence.//4.7e-38:297:82//AC004381
R-PLACE1007544
R-PLACE1007547//Human laminin alpha 4 chain (LAMA4*-1) mRNA, complete cds.//4.0e-17:108:97//U77706
R-PLACE1007557//Human BAC clone RG343P13 from 7q31, complete sequence.//2.2e-45:390:77//AC002465
15 R-PLACE1007583//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 545L17, WORKING DRAFT SEQUENCE.//1.0e-56:302:95//AL031665
R-PLACE1007598//Homo sapiens clone 23939 mRNA sequence.//1.5e-102:554:93//AF038179
R-PLACE1007618
R-PLACE1007621//Homo sapiens clone 23859 mRNA sequence.//1.4e-103:537:94//AF038176
20 R-PLACE1007632//High throughput sequencing of human chromosome 12, WORKING DRAFT SEQUENCE, 1 ordered pieces.//3.3e-76:289:94//AC005840
R-PLACE1007645//Homo sapiens full-length insert cDNA clone ZD76G10.//0.0080:96:77//AF086408
R-PLACE1007649//CIT-HSP-2308A18.TR CIT-HSP Homo sapiens genomic clone 2308A18, genomic survey sequence.//1.1e-82:412:97//AQ022149
25 R-PLACE1007677//Plasmodium falciparum chromosome 2, section 4 of 73 of the complete sequence.//0.0041:470:57//AE001367
R-PLACE1007688
R-PLACE1007690//Human Chromosome 16 BAC clone CIT987SK-A-418G10, complete sequence.//1.3e-22:162:91//AC002044
30 R-PLACE1007697
R-PLACE1007705//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 460J8, WORKING DRAFT SEQUENCE.//4.4e-121:624:95//AL031662
R-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//1.8e-73:374:96//AF061243
R-PLACE1007725//Caenorhabditis elegans cosmid F38A5.//0.070:186:60//U70854
35 R-PLACE1007729//Human endogenous retrovirus HERV-K(HML6) proviral clone HML6.17 putative polymerase and envelope genes, partial cds, and 3'LTR.//3.8e-53:415:81//U60269
R-PLACE1007730//Homo sapiens mRNA for KIAA0685 protein, complete cds.//2.1e-92:556:89//AB014585
R-PLACE1007737//Homo sapiens clone Sb19.12 Alu-Yb8 sequence.//4.0e-43:302:77//AF015169
R-PLACE1007743//Plasmodium falciparum MAL3P8, complete sequence.//1.0e-06:533:59//AL034560
40 R-PLACE1007746//T.brucei mitochondrial maxicircle DNA encoding cytochrome c oxidase subunit I (COI), and NADH dehydrogenase subunits 4 and 5, complete cds.//0.28:386:58//M14820
R-PLACE1007791//D.discoideum gene for protein kinase.//0.17:263:60//Z37981
R-PLACE1007807//Human DNA sequence from clone 878O8 on chromosome Xq21.1-21.33. Contains an EST, STSs, a GSS and genomic marker DXS472, complete sequence.//1.1e-72:324:88//AL031116
45 R-PLACE1007810//Homo sapiens chromosome 7 common fragile site, complete sequence.//2.2e-14:325:67//AF017104
R-PLACE1007829//Human BAC clone GS165I04 from 7q21, complete sequence.//0.00052:455:61//AC002379
R-PLACE1007843//P.falciparum complete gene map of plastid-like DNA (IR-A).//0.0050:447:57//X95275
R-PLACE1007846//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 3/15, WORKING DRAFT SEQUENCE.//2.2e-111:570:95//AP000010
50 R-PLACE1007852//HS_3028_B2_F04_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3028 Col=8 Row=L, genomic survey sequence.//1.3e-12:209:71//AQ131021
R-PLACE1007858//Homo sapiens mRNA for KIAA0766 protein, complete cds.//6.6e-110:574:94//AB018309
R-PLACE1007866//Homo sapiens DNA sequence from PAC 454M7 on chromosome Xq25-26.3. Contains the OCRL1 gene for Lowe Oculocerebrorenal Syndrome protein OCRL-1. Contains ESTs, STSs and GSSs, complete sequence.//1.6e-43:551:70//AL022162
55 R-PLACE1007877//Homo sapiens chromosome 5, BAC clone 34j15 (LBNL H169), complete sequence.//1.6e-22:222:78//AC005754

EP 1 074 617 A2

R-PLACE1007897//HS_3113_B2_E04_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3113 Col=8 Row=J, genomic survey sequencer.//2.9e-72:381:95//AQ186905
R-PLACE1007908//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//8.8e-88:460:95//AB007956
5 R-PLACE1007946//Human chromosome Y cosmid 54E8 genomic sequence, WORKING DRAFT SEQUENCE.//4.9e-23:172:78//AC003095
R-PLACE1007954//Homo sapiens BAC clone NH0414C23 from Y, complete sequence.//1.7e-27:303:75//AC006157
R-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds.//3.9e-102:513:95//AF084530
10 R-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//2.2e-87:465:93//AF079529
R-PLACE1007969//Mus musculus myelin gene expression factor (MEF-2) mRNA, partial cds.//4.8e-72:556:81//U13262
15 R-PLACE1007990//E.tenella antigen LPMC61 mRNA, partial cds.//0.043:273:63//M30933
R-PLACE1008000//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 668J24, WORKING DRAFT SEQUENCE.//8.8e-10:453:62//AL034346
R-PLACE1008002//Homo sapiens clone DJ0613C23, WORKING DRAFT SEQUENCE, 4 unordered pieces.//9.0e-114:563:96//AC005628
20 R-PLACE1008044//Rattus norvegicus nuclear pore complex protein NUP107 mRNA, complete cds.//2.6e-44:509:72//L31840
R-PLACE1008045//Homo sapiens chromosome 5, BAC clone 79a6 (LBNL H172), complete sequence.//0.32:137:66//AC005592
R-PLACE1008080//Arabidopsis thaliana chromosome II BAC F10A12 genomic sequence, complete sequence.//0.082:292:59//AC006232
25 R-PLACE1008095//Homo sapiens BAC clone NH0364H22 from 2, complete sequence.//5.4e-27:260:76//AC005036
R-PLACE1008111//Human variable number tandem repeat (VNTR) region, allele 12R1 3' to collagen type II (COL2A1) gene.//2.2e-07:444:59//L10157
30 R-PLACE1008122//Homo sapiens chromosome 17, clone hRPK.142_H_19, complete sequence.//1.9e-11:384:63//AC005919
R-PLACE1008129//Homo sapiens clone DJ1087M19, WORKING DRAFT SEQUENCE, 7 unordered pieces.//3.0e-10:189:66//AC004955
R-PLACE1008132//Human HepG2 3' region cDNA, clone hmd5d06.//7.4e-47:320:86//D16939
35 R-PLACE1008177//Mouse mRNA for meiosis-specific nuclear structural protein 1 (MNS1), complete cds.//2.6e-32:410:70//D14849
R-PLACE1008181//Caenorhabditis elegans cosmid C31H2.//0.055:358:60//U41748
R-PLACE1008198
R-nnnnnnnnnnnn//Homo sapiens mRNA for KIAA0530 protein, partial cds.//4.8e-103:551:93//AB011102
40 R-PLACE1008209//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1125A11, WORKING DRAFT SEQUENCE.//4.6e-16:250:71//AL034549
R-PLACE1008231//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0.13:341:60//AC004688
R-PLACE1008244//P.falciparum P.195 gene.//0.11:212:66//A04562
45 R-PLACE1008273//Human MEST mRNA, complete cds.//0.00013:52:100//D78611
R-nnnnnnnnnnnn
R-PLACE1008280//Homo sapiens chromosome 7 clone UWGC:g3586a160 from 7p14-15, complete sequence.//1.5e-05:104:76//AC005272
R-PLACE1008309//Human 'at'-rich region adjacent to alpha satellite DNA.//0.70:138:63//M80308
50 R-PLACE1008329//Homo sapiens chromosome 10 clone CIT-HSP-1240G16 map 10q25.1, complete sequence.//0.00061:150:68//AC005886
R-PLACE1008330//Homo sapiens chromosome 19, cosmid F21431, complete sequence.//4.8e-74:252:98//AC005176
R-PLACE100833//Genomic sequence from Human 13, complete sequence.//1.0:176:65//AC001226
55 R-PLACE1008356//Homo sapiens meningioma-expressed antigen 5 (MEA5) mRNA, 3' UTR.//2.5e-98:556:90//AF036145
R-PLACE1008368//HS-1039-A1-C10-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 821 Col=19 Row=E, genomic survey sequence.//1.2e-05:375:62//B36336

EP 1 074 617 A2

R-PLACE1008369//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 4/15, WORKING DRAFT SEQUENCE.//2.8e-10:466:61//AP000011
R-PLACE1008392//Homo sapiens chromosome 17, clone hRPK.471_L_13, complete sequence.//1.0e-46:282:82//AC005244
5 R-PLACE1008398//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 215D11, WORKING DRAFT SEQUENCE.//4.1e-101:529:94//AL034417
R-PLACE1008401//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0366H07; HTGS phase 1, WORKING DRAFT SEQUENCE, 28 unordered pieces.//0.18:379:58//AC004604
R-nnnnnnnnnnn//Homo sapiens mRNA for p115, complete cds.//1.6e-101:521:95//D86326
10 R-PLACE1008405//Human cosmidCRI-JC2015 at D10S289 in 10sp13.//6.8e-22:328:71//U15177
R-PLACE1008424
R-PLACE1008426//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 7/11.//7.5e-101:505:96//AB020864
R-PLACE1008429//Human DNA sequence from clone 20J23 on chromosome Xq26.2-27.2 Contains ras-related C3 botulinum toxin substrate 1 (P21-RAC1) (ras-like protein TC25) EST, CA repeat, STS, CpG island, complete
15 sequence.//1.2e-11:118:78//AL022576
R-PLACE1008437//H.sapiens genomic DNA (PAC 838L14) from chromosome 11, WORKING DRAFT SE-
QUENCE.//2.2e-06:159:69//Y12335
R-PLACE1008455
20 R-PLACE1008457//Homo sapiens chromosome 17, Neurofibromatosis 1 locus, complete sequence.//1.2e-109:588:93//AC004526
R-PLACE1008465//CIT978SK-A-28A11.TVE CIT978SK Homo sapiens genomic clone A-28A11, genomic survey sequence.//1.1e-10:133:77//B78696
R-PLACE1008488
25 R-PLACE1008524//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 34B21, WORKING DRAFT SEQUENCE.//7.3e-120:612:95//AL031778
R-PLACE1008531//Homo sapiens wbscr1 (WBSR1) and replication factor C subunit 2 (RFC2) genes, complete cds.//8.5e-96:510:93//AF045555
R-PLACE1008532
30 R-PLACE1008533
R-PLACE1008568//HS_3218_B2_D08_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3218 Col=16 Row=H, genomic survey sequence.//0.0042:295:62//AQ214623
R-PLACE1008584//Human PAC clone DJ0596009 from 7p15, complete sequence.//5.0e-26:254:66//AC003074
R-PLACE1008621//Homo sapiens chromosome 17, clone hRPK.346_K_10, complete sequence.//4.0e-78:498:
35 86//AC006120
R-nnnnnnnnnnnnnnn
R-PLACE1008626//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 97P20, WORKING DRAFT SEQUENCE.//5.5e-06:228:67//AL031297
R-PLACE1008627//Cricetulus griseus mRNA for Zn finger factor.//3.4e-20:335:71//Y12836
40 R-PLACE1008629//Homo sapiens clone DJ0309D19, WORKING DRAFT SEQUENCE, 12 unordered pieces.//0.55:326:58//AC004826
R-PLACE1008630//Homo sapiens genomic DNA, 21q region, clone: B175P11X96, genomic survey sequence.//0.13:440:55//AG011096
R-PLACE1008643//Human BAC clone RG083J23 from 7q31, complete sequence.//1.3e-58:356:82//AC004001
45 R-PLACE1008650//Homo sapiens pleiotropic regulator 1 (PLRG1) mRNA, complete cds.//2.4e-88:434:97//AF044333
R-PLACE1008693//CIT-HSP-2025M9.TR CIT-HSP Homo sapiens genomic clone 2025M9, genomic survey se-
quence.//1.2e-41:300:82//B64742
R-PLACE1008696//Homo sapiens NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8)
50 gene, nuclear gene encoding mitochondrial protein, complete cds.//4.8e-31:320:75//AF038406
R-PLACE1008715//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 799N4, WORKING DRAFT SEQUENCE.//0.074:478:58//AL022147
R-PLACE1008748//CIT-HSP-2170P12.TR CIT-HSP.Homo sapiens genomic clone 2170P12, genomic survey se-
quence.//8.5e-42:160:86//B90841
55 R-PLACE1008757//Homo sapiens 12q24.2 PAC RPC14-765H13 (Roswell Park Cancer Institute Human PAC Li-
brary) complete sequence.//0.99:211:61//AC005864
R-PLACE1008790//Rattus norvegicus clone1 polymeric immunoglobulin receptor mRNA 3' untranslated region, GA rich region, and microsatellites with GGA-triplet and GAA-triplet repeats.//0.052:108:68//U00762

R-PLACE1008798//Homo sapiens full-length insert cDNA clone YZ86C05//7.7e-58:285:100//AF086088
R-PLACE1008807//CIT-HSP-2366014.TR CIT-HSP Homo sapiens genomic clone 2366014, genomic survey se-
quence.//3.5e-35:223:89//AQ079210
5 R-PLACE1008808//Homo sapiens exonuclease homolog RAD1 (RAD1) mRNA, complete cds.//2.3e-97:499:95//
AF030933
R-PLACE1008813//Rattus norvegicus rsec15 mRNA, complete cds.//9.7e-45:394:78//AF032668
R-PLACE1008851//Human Chromosome 15q26.1 PAC clone pDJ460g16, WORKING DRAFT SEQUENCE, 3 un-
ordered pieces.//2.9e-28:207:87//AC004581
10 R-NNNNNNNNNNNN//CIT-HSP-2172B3.TF CIT-HSP Homo sapiens genomic clone 2172B3, genomic survey se-
quence.//8.9e-30:166:97//B93289
R-PLACE1008867//Homo sapiens BAC clone RG054D04 from 7q31, complete sequence.//3.5e-76:404:95//
AC005058
R-PLACE1008887//Homo sapiens clone DJ0943F02, WORKING DRAFT SEQUENCE, 3 unordered pieces.//7.7e-
37:585:67//AC004932
15 R-PLACE1008902//Homo sapiens chromosome Y, clone hCIT.494_G_17, complete sequence.//0.0022:409:60//
AC005820
R-PLACE1008920//Homo sapiens mRNA for KIAA0765 protein, partial cds.//8.2e-55:344:89//AB018308
R-PLACE1008925//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y53F4,
WORKING DRAFT SEQUENCE.//0.0014:398:58//Z92860
20 R-PLACE1008934
R-PLACE1008941//Homo sapiens chromosome 17, clone hRPK.293_K_20, complete sequence.//9.8e-84:429:
92//AC005495
R-PLACE1008947
R-PLACE1009020
25 R-PLACE1009027//Human DNA sequence from clone 914P14 on chromosome Xq23 Contains calpain-like pro-
tease gene, DCX (doublecortin) ESTs, CA repeat, GSS, complete sequence.//1.3e-82:434:95//AL031117
R-PLACE1009039//Human DNA sequence from clone 276K20 on chromosome 6p22.1-22.3. Contains STSs,
GSSs and a putative CpG island, complete sequence.//0.00010:297:58//AL031391
30 R-PLACE1009045//Homo sapiens chromosome 17, clone hRPC.117_B_12, complete sequence.//2.9e-06:160:
70//AC004707
R-PLACE1009048//Human DNA sequence from clone 511E16 on chromosome 6p24.3-25.1. Contains the last
coding exon of the gene for P18 component of aminoacyl-tRNA synthetase complex, part of an unknown gene
downstream of a putative CpG island, and an STS with a CA repeat polymorphism, complete sequence.//1.3e-16:
339:66//AL023694
35 R-PLACE1009050//Aedes aegypti gene sequence, primary transcript.//0.40:393:59//L17023
R-PLACE1009060//Mus musculus mRNA for Alix-SF (ALG-2-interacting protein X, short form, complete CDS.//
0.00075:79:83//AJ005074
R-PLACE1009090//Homo sapiens chromosome 1, BAC CIT-HSP-292g8 (BC262482), complete sequence.//6.7e-
13:212:73//AC004783
40 R-PLACE1009094//Caenorhabditis elegans cosmid C49F8, complete sequence.//0.49:221:61//Z70206
R-PLACE1009099
R-PLACE1009110//Homo sapiens Xp22 BAC GS-321G17 (Genome Systems Human BAC library) complete se-
quence.//5.1e-17:301:66//AC004025
45 R-PLACE1009111//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING
DRAFT SEQUENCE, 14 unordered pieces.//1.2e-06:234:61//AC005140
R-PLACE1009130//Plasmodium falciparum MAL3P6, complete sequence.//7.5e-06:426:58//Z98551
R-PLACE1009150//Homo sapiens *** SEQUENCING IN PROGRESS *** , WORKING DRAFT SEQUENCE.//2.3e-
118:614:95//AJ011929
50 R-PLACE1009155//Homo sapiens genomic DNA, chromosome 21q11.1, segment 2/28, WORKING DRAFT SE-
QUENCE.//1.4e-107:584:93//AP000031
R-PLACE1009158//Homo sapiens full-length insert cDNA clone YP10D03.//1.9e-105:539:95//AF085876
R-PLACE1009166//Homo sapiens chromosome 17, clone hRPK.180_P_8, complete sequence.//2.8e-44:360:71//
AC005972
R-PLACE1009172//Human cosmid QLL2C9 from Xq28.//4.1e-37:401:74//Z47046
55 R-PLACE1009174//Homo sapiens PAC clone DJ0907C10 from 7q31-3q32, complete sequence.//2.1e-17:140:81//
AC004925
R-PLACE1009183//Homo sapiens DNA sequence from PAC 418A9 on chromosome 6q21. Contains the first (5')
two exons of a CDK8 (Cell Division Protein Kinase 8) LIKE gene, a Neutral Calponin LIKE pseudogene, ESTs and

STSS, complete sequence //1.9e-46:572:69//Z84480
R-PLACE1009186//Human Chromosome X, complete sequence //0.016:322:61//AC004070
R-PLACE1009190//Plasmodium falciparum MAL3P8, complete sequence //0.050:487:58//AL034560
R-PLACE1009200//H.sapiens mRNA for sortilin //1.0e-31:195:92//X98248
R-PLACE1009230//Homo sapiens chromosome 19, CIT-HSP BAC 490g23 (BC338531), complete sequence //1.8e-75:364:85//AC005392
R-PLACE1009246//Cricetulus griseus SRD-2 mutant sterol regulatory element binding protein-2 (SREBP-2) mRNA, complete cds //6.6e-44:525:71//U22818
R-PLACE1009308
R-PLACE1009319//Homo sapiens 12q13.1 PAC RPC11-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence //0.00010:132:75//AC004801
R-PLACE1009328//Homo sapiens chromosome 17, clone hRPK.346_K_10, complete sequence //3.3e-87:576:85//AC006120
R-PLACE1009335//Borrelia burgdorferi (section 62 of 70) of the complete genome //0.32:315:60//AE001176
R-PLACE1009338//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces //6.8e-05:411:59//AC005140
R-PLACE1009368//Homo sapiens PAC clone DJ1179J19 from 7q11.23-q21, complete sequence //0.00040:280:61//AC004989
R-PLACE1009375//D. yakuba mitochondrial DNA for origin of replication, small ribosomal RNA, transfer RNAs tRNA-fMet, tRNA-Gln, tRNA-Ile and tRNA-Val //1.1e-08:444:60//X05915
R-PLACE1009388
R-PLACE1009398//Homo sapiens BAC clone GS011E15 from 5q31, complete sequencer //0.065:279:61//AC002427
R-nnnnnnnnnnnn//Homo sapiens clone NH0486122, WORKING DRAFT SEQUENCE, 5 unordered pieces //1.0e-06:253:64//AC005038
R-PLACE1009410//Homo sapiens chromosome 17, clone hRPK.142_H_19, complete sequence //9.8e-112:561:96//AC005919
R-PLACE1009434//Human DNA sequence from clone 459L4 on chromosome 6p22.3-24.1 Contains EST, STS, GSS, complete sequence //2.2e-21:126:79//AL031120 R-PLACE 1009443//Homo sapiens nucleolar protein Nop30 and cytoplasmic protein Myp (NOP) gene, alternatively spliced products, complete cds //4.5e-14:117:91//AF064598
R-PLACE1009444//Homo sapiens phosphatidylinositol 4-kinase mRNA, complete cds //9.6e-85:479:90//L36151
R-PLACE1009459
R-PLACE1009476//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-67A1, complete sequence //5.6e-101:540:94//AC004531
R-PLACE1009477//Homo sapiens, clone hRPK.15_A_1, complete sequence //3.4e-46:284:91//AC006213
R-PLACE1009493//Human Chromosome 16 BAC clone CIT987SK-A-363E6, complete sequence //5.5e-107:581:92//U91321
R-PLACE1009524//Homo sapiens DNA sequence from PAC 63G5 on chromosome-22q12.3-13.1. Contains part of a gene for a human SEC7 homolog B2-1 (cytohesin-2, Arno, ARF exchange factor) LIKE protein, an unknown gene and a gene coding for a Leucine rich protein. Contains ESTs, STSs and GSSs, complete sequence //0.74:301:61//Z94160
R-PLACE1009539//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 167A19, WORKING DRAFT SEQUENCE //5.7e-29:357:74//AL031427
R-PLACE1009542//CIT-HSP-2166P10.TRB CIT-HSP Homo sapiens genomic clone 2166P10, genomic survey sequence //2.6e-10:145:75//B89614
R-PLACE1009571//RPC111-61J16.TK RPC111 Homo sapiens genomic clone R-61J16, genomic survey sequence //0.016:68:80//AQ202146
R-PLACE1009581
R-PLACE1009595//Homo sapiens clone DJ56J10, complete sequence //1.8e-38:365:79//AC005006
R-PLACE1009596//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 501A4, WORKING DRAFT SEQUENCE //1.2e-29:314:76//Z98051
R-PLACE1009607//cSRL-77g9-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-77g9, genomic survey sequence //2.1e-05:142:69//B06230
R-PLACE1009613//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-89, complete sequence //3.6e-08:434:59//AL010266
R-PLACE1009621//Sequence 50 from patent US 5691147 //1.5e-20:235:73//I76222
R-PLACE1009622//CIT-HSP-2023D13.TFB CIT-HSP Homo sapiens genomic clone 2023D13, genomic survey

- sequence.//0.72:176:62//B81271
 R-PLACE1009637//*P.falciparum* complete gene map of plastid-like DNA (IR-B).//0.0068:396:59//X95276
 R-PLACE1009639//*Arabidopsis thaliana* DNA chromosome 4, BAC clone F10M6 (ESSAII project)//0.013:521:58//AL021811
- 5 R-PLACE1009659//Homo sapiens mRNA for KIAA0587 protein, complete cds.//1.0e-107:589:92//AB011159
 R-PLACE1009665//Human PAC clone DJ0658N05 from 7p21, complete sequence.//8.4e-72:487:85//AC003075
 R-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds.//2.0e-61:310:97//AF062534
 R-PLACE1009708//Homo sapiens clone DJ0935K16, complete sequence.//2.8e-103:542:94//AC006011
 R-PLACE1009721//Human Cosmid g0771a222 from 7q31.3, complete sequence.//4.6e-85:518:88//AC000109
- 10 R-PLACE1009731//Homo sapiens DNA sequence from PAC 434O14 on chromosome 1q32.3.-41. Contains the HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs, complete sequence.//0.0033:215:65//AL022398
 R-PLACE1009763//Homo sapiens UBA3 (UBA3) mRNA, complete cds.//6.2e-116:598:95//AF046024
- 15 R-PLACE1009794
 R-nnnnnnnnnnn//Human DNA sequence from clone 1189B24 on chromosome Xq25-26.3. Contains NADH-Ubi-quinone Oxidoreductase MLRQ subunit (EC 1.6.5.3, EC 1.6.99.3, CI-MLRQ), Tubulin Beta and Proto-oncogene Tyrosine-protein Kinase FER (EC 2.7.1.112, P94-FER, C-FER, TYK3) pseudogenes, and part of a novel gene similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8. Contains ESTs, an STS and GSSs, complete sequence.//7.5e-88:191:96//AL030996
- 20 R-PLACE1009845//Homo sapiens DNA sequence from PAC 234H5 on chromosome 6q21. Contains an unknown gene, ESTs and STSs, complete sequence.//8.7e-19:226:69//Z98172
 R-PLACE1009879//Homo sapiens genomic DNA, 21q region, clone: 149C3A68, genomic survey sequence.//2.1e-29:230:76//AG002672
- 25 R-PLACE1009886//Homo sapiens PAC clone DJ0997N05 from 7q11.23-q21.1, complete sequence.//0.99:203:61//AC004945
 R-PLACE1009888//Homo sapiens chromosome 19, BAC CIT-B-393i15 (BC301323), complete sequence.//5.3e-91:577:88//AC006116
 R-nnnnnnnnnnn
- 30 R-PLACE1009921//Homo sapiens cosmid clone HDAB (1S149) insert DNA, complete cosmid.//4.7e-81:385:84//M63005
 R-PLACE1009924//HS_3151_B1_B10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3151 Col=19 Row=D, genomic survey sequence.//5.5e-47:240:99//AQ167412
 R-PLACE1009925//CIT978SK-A-931F6.TV CIT978SK Homo sapiens genomic clone A-931F6, genomic survey sequence.//0.00010:159:68//B51673
- 35 R-PLACE1009935//*Plasmodium falciparum* 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces.//0.081:238:65//AC005308
 R-PLACE1009947//Homo sapiens PAC clone 248015 from 13q12-q13, complete sequence.//1.0:353:58//AC002483
- 40 R-PLACE1009971//Homo sapiens full-length insert cDNA clone ZD38E12.//3.7e-11:152:75//AF086247
 R-PLACE1009992
 R-PLACE1009995//*Plasmodium falciparum* chromosome 2, section 4 of 73 of the complete sequence.//0.0019:305:61//AE001367
 R-PLACE1009997//Homo sapiens chromosome 10 clone CIT987SK-1175G20 map 10q25.2-10q25.3, complete sequence.//1.8e-43:462:76//AC005874
- 45 R-PLACE1010023//HS_3018_B1_H10_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3018 Col=19 Row=P, genomic survey sequence.//0.00013:198:63//AQ093513
 R-PLACE1010031//Human DNA sequence from clone 30M3 on chromosome 6p22.1-22.3. Contains three novel genes, one similar to C. elegans Y63D3A.4 and one similar to (predicted) plant, worm, yeast and archaea bacterial genes, and the first exon of the KIAA0319 gene. Contains ESTs, GSSs and putative CpG islands, complete sequence.//7.4e-115:581:96//AL031775
- 50 R-PLACE1010053//*M.musculus* Spnr mRNA for RNA binding protein.//1.9e-05:136:74//X84692
 R-PLACE1010069//CIT-HSP-2328B12.TF CIT-HSP Homo sapiens genomic clone 2328B12, genomic survey sequence.//2.6e-60:324:94//AQ042094
- 55 R-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//4.6e-87:543:88//AF065482
 R-PLACE1010076//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0473M13; HTGS phase 1, WORKING DRAFT SEQUENCE, 4 unordered pieces.//6.3e-08:489:58//AC005699
 R-PLACE1010083

R-PLACE1010089//F19F22-Sp6 IGF Arabidopsis thaliana genomic clone F19F22, genomic survey sequence//
 0.14:400:59/B10583
 R-PLACE1010096//R.norvegicus mRNA for 100 kDa protein//4.3e-91:562:87//X64411
 R-PLACE1010102//Apis mellifera tRNA-Leu cytochrome oxidase II intergenic spacer region, mitochondrial se-
 5 quence//1.5e-08:357:60//AF039556
 R-PLACE1010105//Plasmodium falciparum chromosome 2, section 11 of 73 of the complete sequence//4.0e-09:
 510:59//AE001374
 R-PLACE1010106//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 54B20, WORKING
 DRAFT SEQUENCE//1.4e-12:194:73//Z98304
 10 R-PLACE1010134
 R-PLACE1010148//HS_3128_A1_D09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3128 Col=17 Row=G, genomic survey sequence//0.17:281:61//AQ140790
 R-PLACE1010152//Mouse mRNA for arylhydrocarbon receptor, complete cds//3.1e-45:351:81//D38417
 R-PLACE1010181//Homo sapiens clone DJ0914M06, WORKING DRAFT SEQUENCE, 1 unordered pieces//
 15 3.6e-06:207:66//AC004928
 R-PLACE101019411HS_2232_B1_H10_MR CIT Approved Human Genomic Sperm Library D. Homo sapiens ge-
 nomic clone Plate=2232 Col=19 Row=P, genomic survey sequence//2.4e-08:134:74//AQ185425
 R-PLACE1010202//Human DNA sequence from clone 227L5 on chromosome Xp11.22-11.3. Contains a Keratin,
 Type 1 Cytoskeletal 18 (KRT18, CYK18, K18, CK18) pseudogene and an STS, complete sequence//0.00035:383:
 20 61//AL031585
 R-PLACE1010231//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 287G14, WORKING
 DRAFT SEQUENCE//1.2e-95:519:94//AL033377
 R-PLACE1010261
 R-PLACE1010270//H.sapiens CpG island DNA genomic MseI fragment, clone 85a6, reverse read cpg85a61rt1a//
 25 0.068:171:63//Z63482
 R-PLACE1010274//S.douglasii gene for cytochrome b//4.5e-07:276:63//X59280
 R-PLACE1010293//Homo sapiens chromosome 2 PAC RPCI3-417E16 (Roswell Park Cancer Institute Human
 PAC library) complete sequence//4.7e-91:522:90//AC004464
 R-PLACE1010321
 30 R-PLACE1010324//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y38E10,
 WORKING DRAFT SEQUENCE//5.7e-08:484:57//AL021149
 R-PLACE1010329//Homo sapiens Chromosome 22q11.2 Cosmid Clone 50d10 In IGLC Region, complete se-
 quence//7.9e-35:328:79//AC000024
 R-PLACE1010341//Homo sapiens clone DJ1125K23, WORKING DRAFT SEQUENCE, 21 unordered pieces//
 35 1.3e-31:418:66//AC004971
 R-PLACE1010362
 R-PLACE1010364//Mus cookii mitochondrion DNA fragment//0.23:162:64//M77098
 R-PLACE1010383//Homo sapiens chromosome 17, clone hCIT.186_H_2, complete sequence//1.4e-105:543:95//
 AC004675
 40 R-PLACE1010401//Human Chromosome 15q11-q13 PAC clone pDJ223c9 from the Prader-Willi/Angelman Syn-
 drome region, complete sequence//0.00017:268:62//AC004137
 R-PLACE1010481//Bos taurus C5-glucuronyl epimerase mRNA, partial cds//8.6e-79:556:83//AF003927
 R-PLACE1010491//Homo sapiens Cre binding protein-like 2 mRNA, complete cds//7.3e-88:438:96//AF039081
 R-PLACE1010492//HS_3169_B2_B04_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 45 nomic clone Plate=3169 Col=8 Row=D, genomic survey sequence//0.98:171:63//AQ169892
 R-PLACE1010522//WORKING DRAFT SEQUENCE, 6 unordered pieces//0.34:407:62//AC006082
 R-nnnnnnnnnnnnn
 R-PLACE1010562//CITBI-E1-2503B16.TF CITBI-E1 Homo sapiens genomic clone 2503B16, genomic survey se-
 quence//6.4e-17:152:84//AQ265929
 50 R-PLACE1010579//Torulopsis glabrata mitochondrial gene for ribosomal protein varl//1.7e-05:271:65//X02893
 R-PLACE1010580
 R-PLACE1010599
 R-PLACE1010616//Human BAC clone RG343P13 from 7q31, complete sequence//3.0e-13:151:75//AC002465
 R-PLACE1010622//Arabidopsis thaliana BAC F1104//0.00031:366:60//AF096370
 55 R-PLACE1010624//Homo sapiens chromosome 7q22 sequence, complete sequence//8.2e-34:322:79//
 AF053356
 R-PLACE1010628//Homo sapiens clone DJ0647C14, WORKING DRAFT SEQUENCE, 21 unordered pieces//
 2.3e-97:515:94//AC004846

- R-PLACE1010629//HS_3003_A2_C08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3003 Col=16 Row=E, genomic survey sequence.//5.6e-60:321:95//AQ130493
- R-PLACE1010630//Plasmodium falciparum chromosome 2, section 19 of 73 of the complete sequence.//0.051:372:59//AE001382
- 5 R-PLACE1010631//Homo sapiens mRNA for KIAA0530 protein, partial cds.//2.6e-92:497:93//AB011102
- R-PLACE1010661//CIT-HSP-2008K15.TR CIT-HSP Homo sapiens genomic clone 2008K15, genomic survey sequence.//5.7e-27:160:95//B57089
- R-PLACE1010662//Caenorhabditis elegans cosmid C12C8, complete sequence.//9.4e-09:151:73//Z81467
- R-PLACE1010702//CIT-HSP-2314C3.TR CIT-HSP Homo sapiens genomic clone 2314C3, genomic survey sequence.//1.3e-90:459:96//AQ028536
- 10 R-PLACE1010714//Saccharomyces douglasii mitochondrial tRNA-Ser and tRNA-Phe genes, partial sequence, and Var1p (var1) gene, mitochondrial gene encoding mitochondrial protein, complete cds.//5.3e-08:478:58//U49822
- R-PLACE1010720//Homo sapiens chromosome-associated protein-C (hCAP-C) mRNA, partial cds.//3.8e-55:300:95//AF092564
- 15 R-PLACE1010739//Human DNA sequence from clone 393P23 on chromosome Xq21.1-21.33. Contains GSSs, complete sequence.//3.4e-89:507:90//Z95400
- R-PLACE1010743
- R-PLACE1010761//Homo sapiens chromosome 17, clone hRPK:294_J_22, complete sequence.//3.0e-103:511:97//AC005921
- 20 R-PLACE1010771
- R-PLACE1010786
- R-PLACE1010800//Homo sapiens clone NH0084K19, WORKING DRAFT SEQUENCE, 30 unordered pieces.//1.8e-43:545:71//AC005682
- 25 R-PLACE1010802//Phoebeis agarithe large subunit ribosomal RNA gene, partial sequence; tRNA-Val gene, complete sequence; and small subunit ribosomal RNA gene, partial sequence, mitochondrial genes for mitochondrial RNAs.//1.9e-09:492:59//AF044862
- R-PLACE1010811//Homo sapiens Xp22 BAC GSHB-257G1 (Genome Systems BAC Library) complete sequence.//0.041:415:59//AC002524
- 30 R-PLACE1010833
- R-PLACE1010856//Plasmodium falciparum 3D7 chromosome 12 PFYAC812 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.0022:512:55//AC004153
- R-PLACE1010857//Homo sapiens genomic DNA of 8p21.3-p22 anti-oncogene of hepatocellular colorectal and non-small cell lung cancer, segment 11/11//4.9e-85:507:90//AB020868
- 35 R-PLACE1010870//RPC111-59K21:TK RPC111 Homo sapiens genomic clone R-59K21, genomic survey sequence.//8.2e-85:422:97//AQ195697
- R-PLACE1010877//Homo sapiens mRNA for KIAA0610 protein, partial cds.//7.0e-100:501:96//AB011182
- R-PLACE1010891//Homo sapiens chromosome X, clone 592, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.10:162:61//AC002489
- 40 R-PLACE1010896//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING DRAFT SEQUENCE, 8 unordered pieces.//0.00032:409:59//AC005505
- R-PLACE1010900//Homo sapiens DNA, trinucleotide repeats region.//3.2e-07:180:71//AB018488
- R-PLACE1010916//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL4P1, WORKING DRAFT SEQUENCE.//0.041:205:60//AL034557
- 45 R-PLACE1010917
- R-PLACE1010925//HS_2027_B2_B09_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2027 Col=18 Row=D, genomic survey sequence.//1.6e-46:404:77//AQ247031
- R-PLACE1010926//Homo sapiens mRNA for KIAA0554 protein, partial cds.//4.2e-65:402:89//AB011126
- R-nnnnnnnnnnnn//Homo sapiens intersectin short form mRNA, complete cds.//1.9e-80:441:93//AF064243
- 50 R-PLACE1010944
- R-PLACE1010947//D.discoideum rasG gene.//0.00044:181:65//Z11533
- R-PLACE1010954//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces.//3.0e-51:518:74//AC005077
- R-PLACE1010960//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 451B21, WORKING DRAFT SEQUENCE.//0.022:292:63//AL033522
- 55 R-PLACE1010965//Human mariner1 transposase gene, complete consensus sequence.//1.0e-64:444:84//U52077
- R-PLACE1011026//Rickettsia prowazekii strain Madrid E, complete genome; segment 3/4.//0.59:345:61//

AJ235272

R-PLACE1011032//Human DNA sequence from PAC 389A20 on chromosome X contains ESTs STS, CpG islands and polymorphic CA repeat.//0.62:82:75//Z93242

R-PLACE1011041//H.sapiens DNA sequence.//0.051:162:66//Z22248

5 R-nnnnnnnnnnnn//Homo sapiens mRNA for KIAA0581 protein, partial cds.//2.9e-100:563:91//AB011153

R-PLACE1011054//Human DNA sequence from PAC 46H23, BRCA2 gene region chromosome 13q12-13 contains Klotho, ESTs.//4.7e-29:280:73//Z84483

R-PLACE1011056//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 341D10, WORKING DRAFT SEQUENCE.//1.7e-39:288:84//Z97985

10 R-PLACE1011057//CIT-HSP-2014F10.TF CIT-HSP Homo sapiens genomic clone 2014F10, genomic survey sequence.//2.4e-60:370:90//B58896

R-PLACE1011090//Homo sapiens chromosome 4 clone B200N5 map 4q25, complete sequence.//0.12:489:59//AC005509

15 R-PLACE1011109//Homo sapiens chromosome Y, clone 486, O, 2, complete sequence.//8.4e-43:427:76//AC002531

R-PLACE1011114//Homo sapiens mRNA from HIV associated non-Hodgkin's lymphoma (clone hl1-14).//1.7e-29:179:94//Y16709

R-PLACE1011133//HS-1058-B1-H02-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 780 Col=3 Row=P, genomic survey sequence.//1.0:133:63//44006

20 R-PLACE1011143//H.sapiens CpG island DNA genomic MseI fragment, clone 127a4, forward read cpg127a4.ft1a.//1.0:127:67//Z56550

R-PLACE1011160//Homo sapiens HRIHFB2038 mRNA, partial cds.//2.4e-95:534:91//AB015333

R-PLACE1011165//Human Cosmid g5129s232 from 7q31.3, complete sequence.//0.47:355:58//AC003968

25 R-PLACE1011185//Homo sapiens clone DJ0038110, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.3e-26:403:70//AC004820

R-PLACE1011203//paramecium species 4.51er mt dna dimer: replication init. region, clone 1.//1.0e-10:379:60//K00908

R-PLACE1011219//HS_3036_B1_F08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3036 Col=15 Row=L, genomic survey sequence.//2.6e-39:253:88//AQ104587

30 R-PLACE1011221//Homo sapiens T-cell receptor alpha delta locus from bases 250472 to 501670 (section 2 of 5) of the Complete Nucleotide Sequence.//0.32:279:60//AE000659

R-PLACE1011229//HS_3002_B1_E10_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3002 Col=19 Row=J, genomic survey sequence.//9.3e-31:317:74//AQ303626

35 R-PLACE1011263//Homo sapiens BAC clone GS166A23 from 7p21, complete sequence.//1.2e-109:571:94//AC005014

R-PLACE1011273//Saccharomyces douglasii mitochondrial cytochrome c oxidase subunit I (COXI) gene, complete cds.//0.00027:337:61//M97514

R-PLACE1011291

R-PLACE1011296//H.sapiens steroid reductase pseudogene.//4.2e-37:326:80//M68887

40 R-PLACE1011310//H.sapiens 5' flanking sequence of gene for corticotropin.//0.0017:416:60//X67661

R-PLACE1011325//Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence.3.0e-10:511:59//AE001398

R-PLACE1011332//Homo sapiens chromosome 17, clone HCIT3L16, WORKING DRAFT SEQUENCE, 7 unordered pieces.//8.3e-06:250:64//AC002344

45 R-PLACE1011340//Human BAC clone RG341D10 from 7p15-p21, complete sequence.//0.67:290:58//AC002530

R-PLACE1011375//Mus musculus Kv3.4 gene, exon 4.//6.8e-23:190:86//AJ010310

R-PLACE1011399//Plasmodium falciparum 3D7 chromosome 12 PFYACB8-420 genomic sequence, WORKING DRAFT SEQUENCE, 14 unordered pieces.//0.22:359:60//AC005140

50 R-PLACE1011419//Human DNA sequence from cosmid U90B3, on chromosome Xp11, contains ESTs.//5.1e-32:282:81//Z74022

R-nnnnnnnnnnnn//Homo sapiens mRNA for KIAA0530 protein, partial cds.//1.5e-112:600:94//AB011102

R-PLACE1011452//Homo sapiens clone DJ0945F02, WORKING DRAFT SEQUENCE, 7 unordered pieces.//3.9e-77:303:85//AC006013

R-PLACE1011465

55 R-PLACE1011472//Homo sapiens mRNA for KIAA0712 protein, complete cds.//7.9e-103:515:96//AB018255

R-PLACE1011492//A-837A4.TP CIT978SK Homo sapiens genomic clone A-837A4, genomic survey sequence.//6.5e-37:234:82//B14085

R-PLACE1011503//Homo sapiens chromosome 17, clone hRPC.1171_I_10, complete sequence.//0.99:267:60//

- AC004687
 R-PLACE1011520//Homo sapiens clone DJ1119N05, complete sequence.//2.0e-116:591:96//AC004968
 R-PLACE1011563//Plasmodium falciparum 3D7 chromosome 12 PFYAC69 genomic sequence, WORKING
 DRAFT SEQUENCE, 4 unordered pieces.//1.2e-13:566:59//AC004688
- 5 R-PLACE1011567//Plasmodium-falciparum MAL3P6, complete sequence.//0.62:358:61//Z98551
 R-PLACE1011576//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence.//8.7e-45:400:78//
 AC003973
 R-PLACE1011586//Homo sapiens chromosome 17, clone HRPC890E16, complete sequence.//2.2e-59:338:93//
 AC004477
- 10 R-PLACE1011635//C.pasteurianum pfl gene and act gene.//0.71:288:60//X93463
 R-PLACE1011641//Mycoplasma genitalium random genomic clone sg11, partial cds.//0.023:232:60//U02205
 R-PLACE1011643//Homo sapiens chromosome 19, cosmid R33590, complete sequence.//1.4e-21:432:67//
 AC005620
 R-PLACE1011649//Homo sapiens clone 24432 mRNA sequence.//7.8e-72:414:91//AF070535
- 15 R-PLACE1011650//Human PAC clone DJ327A19 from Xq25-q26, complete sequence.//5.1e-27:174:79//
 AC002477
 R-PLACE1011664//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone. 460D19, WORKING
 DRAFT SEQUENCE.//7.4e-05:238:65//AL031905
 R-PLACE1011675//CIT-HSP-2370M16.TR CIT-HSP Homo sapiens genomic clone 2370M16, genomic survey se-
 quence.//1.3e-27:233:81//AQ108283
- 20 R-PLACE1011682//H.sapiens HLA-DMB gene.//2.3e-22:390:67//X76776
 R-PLACE1011719//Homo sapiens 12q24.2 BAC RPC111-360E11 (Roswell Park Cancer Institute Human BAC Li-
 brary) complete sequence.//3.1e-24:409:66//AC004806
 R-PLACE1011725//Homo sapiens unknown mRNA downregulated by induced differentiation with 13-cis retinoic
 acid.//0.13:143:65//AF026526
- 25 R-PLACE1011729//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y738F9, WORKING
 DRAFT SEQUENCE.//1.1e-15:157:82//AL022345
 R-PLACE1011749//Homo sapiens clone RG315H11, WORKING DRAFT SEQUENCE, 5 unordered pieces.//1.5e-
 38:314:81//AC005089
- 30 R-PLACE1011762//Homo sapiens BAC clone RG067E13 from 7q21, complete sequence.//1.9e-35:538:68//
 AC002383
 R-PLACE1011778//CIT-HSP-2326C17.TV CIT-HSP Homo sapiens genomic clone 2326C17, genomic survey se-
 quence.//2.8e-58:346:91//AQ028782
 R-PLACE1011783//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 229A8, WORKING
 DRAFT SEQUENCE.//4.6e-38:288:84//Z86090
- 35 R-PLACE1011858//Human DNA sequence from clone 496N17 on chromosome 6p11.2-12.3 Contains EST, GSS;
 complete sequence.//4.1e-104:524:97//AL031321
 R-PLACE1011874//Homo Sapiens Chromosome X clone bWDXD312, complete sequence.//2.1e-100:511:95//
 AC004478
- 40 R-PLACE1011875
 R-PLACE1011891//Human lens membrane protein (mp19) gene, exon 11.//0.0011:195:64//L04193
 R-PLACE1011896//Homo sapiens DNA sequence from PAC 434014 on chromosome 1q32.3.-41. Contains the
 HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE
 pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two novel genes. Contains ESTs and GSSs,
 complete sequence.//0.010:110:74//AL022398
- 45 R-PLACE1011922//Homo sapiens chromosome 21q22.3 PAC 171F15, complete sequence.//3.5e-10:152:74//
 AF042090
 R-PLACE1011923//Homo sapiens serum-inducible kinase mRNA, complete cds.//7.0e-98:546:92//AF059617
 R-PLACE1011962//CIT-HSP-2294L24.TF CIT-HSP Homo sapiens genomic clone 2294L24, genomic survey se-
 quence.//0.31:131:63//AQ006352
- 50 R-PLACE1011964//Homo sapiens chromosome 17, clone HRPC987K16, complete sequence.//2.5e-08:393:63//
 AC002994
 R-PLACE1011982//Arabidopsis thaliana genomic DNA, chromosome 3, P1 clone: MDJ14, complete sequence.//
 9.6e-09:463:62//AB016889
- 55 R-PLACE1011995//Human Down Syndrome region of chromosome 21, clone A12H1-2H4.//2.7e-39:294:82//
 U44738
 R-PLACE1012031//Homo sapiens mRNA for KIAA0713 protein, partial cds.//2.5e-104:540:95//AB018256
 R-PLACE2000003//Human PAC clone DJ404F18 from Xq23, complete sequence.//4.9e-10:439:63//AC004000

EP 1 074 617 A2

R-PLACE2000007//Human fibroblast growth factor receptor 3 (FGFR3) gene, intron 3//1.0:151:66//L78722
 R-PLACE2000011//Homo sapiens clone 614 unknown mRNA, complete sequence//1.5e-103:524:95//AF091080
 R-PLACE2000015//Homo sapiens PAC clone DJ269005 from Xq23, complete sequence//0.94:372:57//AC005191
 R-PLACE2000017//Homo sapiens chromosome 17, clone hCIT.162_E_12, complete sequence//3.0e-55:299:86//
 5 AC006236
 R-PLACE2000021//CIT-HSP-2343C18.TR CIT-HSP Homo sapiens genomic clone 2343C18, genomic survey se-
 quence//4.5e-54:295:94//AQ058140
 R-PLACE2000033//H.sapiens gene for mitochondrial ATP synthase c subunit (P1 form)//6.5e-38:298:82//X69907
 R-PLACE2000034//Homo sapiens clone DJ0613C23, WORKING DRAFT SEQUENCE, 4 unordered pieces//5.3e-
 10 34:200:79//AC005628
 R-PLACE2000039//Homo sapiens BAC clone RG060N22 from 7q21, complete sequence//1.8e-49:274:89//
 AC003083
 R-PLACE2000047//CIT-HSP-2373C2.TR CIT-HSP Homo sapiens genomic clone 2373C2, genomic survey se-
 quence//1.8e-48:389:79//AQ112243
 15 R-PLACE2000050//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1177I5, WORKING
 DRAFT SEQUENCE//0.0027:95:76//AL022315
 R-PLACE2000061//Homo sapiens mRNA for KIAA0575 protein, complete cds//2.9e-39:429:72//AB011147
 R-PLACE2000062//Homo sapiens clone DJ0539M06, WORKING DRAFT SEQUENCE, 10 unordered pieces//
 5.9e-40:310:84//AC004832
 20 R-PLACE2000072//Homo sapiens ZNF202 beta (ZNF202) mRNA, complete cds//1.9e-109:550:95//AF027219
 R-PLACE2000097//Homo sapiens chromosome 12p13.3 clone RPC11-189M20, WORKING DRAFT SE-
 QUENCE, 39 unordered pieces//1.6e-106:553:95//AC005910
 R-PLACE2000100//Human DNA sequence from clone 301K23 on chromosome 1p35.1-36.21. Contains the 5' part
 of a novel gene similar to predicted yeast and worm genes. Contains ESTs and GSSs, complete sequence//1.8e-
 25 38:285:84//AL031730
 R-PLACE2000103//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 20208, WORKING
 DRAFT SEQUENCE//4.3e-113:559:97//AL031848
 R-PLACE2000111//Rat MLC1V gene encoding alkali myosin ventricel light chain, exon 1//0.00041:347:61//
 X16325
 30 R-PLACE2000115//Cervus elaphus MHC class II DRB pseudogene, intron 2 microsatellite//0.50:165:63//U63067
 R-PLACE2000132
 R-PLACE2000136//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-30, complete
 sequence//0.0032:310:61//AL008974
 R-PLACE2000140//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 11703, WORKING
 35 DRAFT SEQUENCE//1.1e-111:566:96//AL020995
 R-PLACE2000164
 R-PLACE2000170//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0024K08;
 HTGS phase 1, WORKING DRAFT SEQUENCE, 5 unordered pieces//3.9e-40:390:76//AC005598
 R-PLACE2000172
 40 R-PLACE2000176
 R-PLACE2000187//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 268H5, WORKING
 DRAFT SEQUENCE//8.7e-45:298:87//AL008718
 R-PLACE2000216//Dog nonerythroid beta-spectrin mRNA, 3' end//5.6e-88:495:92//L02897
 R-PLACE2000223
 45 R-PLACE2000235//HS_3159_B1_B06_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3159 Col=11 Row=D, genomic survey sequence//1.8e-88:454:96//AQ179271
 R-PLACE2000246//Homo sapiens chromosome 3p clone RPC14-544D10, WORKING DRAFT SEQUENCE, 58
 unordered pieces//9.1e-41:282:86//AC005902
 R-PLACE2000264//Homo sapiens DNA sequence from PAC 95C20 on chromosome Xp11.3-11.4. Contains STSs
 and the DXS7 locus with GT and GTG repeat polymorphisms, complete sequence//8.3e-35:305:80//Z97181
 50 R-PLACE2000274//Human Chromosome 16 BAC clone CIT987SK-A-211C6, complete sequence//3.5e-18:325:
 67//AC002394
 R-PLACE2000302//Homo sapiens chromosome 17, clone HRPC1067M6, complete sequence//1.5e-39:287:85//
 AC003043
 55 R-PLACE2000305//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 16915, WORKING
 DRAFT SEQUENCE//1.2e-43:295:85//Z93015
 R-PLACE2000317//Human DNA sequence from clone 245G19 on chromosome Xp22.11-22.2 Contains serine-
 threonine kinase (Txp3) gene, a pseudogene similar to ALPHA-1 PROTEIN ((CONNEXIN 43, CX43, GAP JUNC-

- TION 43 KD HEART PROTEIN)), and the 3' end of the RS1 (X-linked juvenile retinoschisis precursor protein) gene. Contains ESTs, STSs and GSSs, complete sequence.//4.0e-05:284:65//Z92542
 R-PLACE2000335//Homo sapiens clone DJ0755D09, WORKING DRAFT SEQUENCE, 3 unordered pieces.//1.5e-26:334:70//AC006147
- 5 R-PLACE2000342//Fugu rubripes cosmid 258N02 containing IGFII, TH, NAP2 genes.//4.0e-05:254:64//AL021880
 R-PLACE2000347//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 799N4, WORKING DRAFT SEQUENCE.//1.6e-82:504:88//AL022147
 R-PLACE2000359//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 40E16, WORKING DRAFT SEQUENCE.//2.0e-36:314:80//AL031963
- 10 R-PLACE2000366//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 796F18, WORKING DRAFT SEQUENCE.//2.0e-48:389:80//AL031291
 R-PLACE2000371
 R-PLACE2000373//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 324M8, WORKING DRAFT SEQUENCE.//0.61:231:61//AL008734
- 15 R-PLACE2000379//Homo sapiens clone DJ0892G19, complete sequence.//3.5e-11:287:67//AC004917
 R-PLACE2000394//Human DNA sequence from clone 465N24 on chromosome 1p35.1-36.13. Contains two novel genes, ESTs, GSSs and CpG islands, complete sequence.//6.8e-108:553:96//AL031432
 R-PLACE2000398//Homo sapiens clone RG074A24, WORKING DRAFT SEQUENCE, 25 unordered pieces.//2.9e-26:326:73//AC005059
- 20 R-PLACE2000399
 R-PLACE2000404//Homo sapiens chromosome 5, BAC clone 282B7 (LBNL H192), complete sequence.//6.5e-84:434:96//AC005216
 R-PLACE2000411//P.clarkii mRNA; repeat region (ID 2R).//0.47:104:70//Z54273
 R-PLACE2000419
- 25 R-PLACE2000425//Homo sapiens X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions.//1.9e-40:447:74//AF003528
 R-PLACE2000427
 R-PLACE2000433//Human Chromosome 15 pac pDJ24m8, complete sequence.//3.5e-40:286:85//AC000379
 R-PLACE2000435
- 30 R-PLACE2000438//Homo sapiens full-length insert cDNA clone ZE04D01.//2.2e-107:523:98//AF086521
 R-PLACE2000450 4.1e-42:328:79//AG006257
 R-PLACE2000455
 R-PLACE2000458//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//5.1e-116:570:97//AC005740
- 35 R-PLACE2000465//Human BAC clone RG191D16, complete sequence.//6.3e-37:408:75//AC002460
 R-PLACE2000477//M.musculus tex264 mRNA (3'region).//7.5e-06:117:76//X80427
 R-PLACE3000004
 R-PLACE3000029//Human DNA sequence from PAC 506G2 contains STSs and a CpG island.//5.8e-34:308:78//Z82976
- 40 R-PLACE3000059//Mus musculus mRNA for ubiquitin conjugating enzyme.//1.1e-36:273:87//Y17267
 R-PLACE3000070//Homo sapiens chromosome 5, PAC clone 17e19 (LBNL H148), complete sequence.//2.3e-10:181:71//AC004648
 R-PLACE3000103//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 30A23, WORKING DRAFT SEQUENCE.//1.2e-48:495:74//AL022156
- 45 R-PLACE3000119//Homo sapiens Chromosome 22q12 BAC Clone 58b8 In Meningioma Deletion Region, complete sequence.//3.4e-39:283:85//AC000026
 R-PLACE3000124//Homo sapiens chromosome 5, P1 clone 793c5 (LBNL H57), complete sequence.//9.2e-23:171:76//AC005200
 R-PLACE3000136//U.arctos microsatellite DNA, clone UarMU23.//0.00052:171:65//Y09645
- 50 R-PLACE3000142//HS_3037_82_B02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3037 Col=4 Row=D, genomic survey sequence.//0.88:121:66//AQ097023
 R-PLACE3000147//Mus musculus DNA for ADAMTS-1, complete cds.//3.3e-23:472:66//AB001735
 R-PLACE3000148//Human DNA from cosmid L27h9, Huntington's Disease Region, chromosome 4p16.3 contains CpG island.//3.5e-11:176:73//Z49237
- 55 R-PLACE3000155//Homo sapiens chromosome 17, clone hRPK.597_M_12, complete sequence.//6.9e-106:549:94//AC005277
 R-PLACE3000156//Homo sapiens BAC clone RG067E13 from 7q21, complete sequence.//7.0e-38:545:70//AC002383

R-PLACE3000157
 R-PLACE3000158//, complete sequence//1.4e-33:283:81//AC005500
 R-PLACE3000160
 R-PLACE3000169//Homo sapiens chromosome 19, BAC CIT-B-191n6, complete sequence//5.2e-43:229:85//
 5 AC006130
 R-PLACE3000194
 R-PLACE3000197//Homo sapiens chromosome 17, clone hRPK.401_O_9, complete sequence//7.2e-61:394:89//
 AC005291
 R-PLACE3000199//Homo sapiens Xq28 genomic DNA in the region of the L1CAM locus containing the genes for
 10 neural cell adhesion molecule L1 (L1CAM), arginine-vasopressin receptor (AVPR2), C1 p115 (C1), ARD1 N-
 acetyltransferase related protein (TE2), renin-binding protein (RbP), host cell factor 1 (HCF1), and interleukin-1
 receptor-associated kinase (IRAK) genes, complete cds, and Xq281u2 gene//0.23:309:57//U52112 R-
 PLACE3000207//CIT-HSP-384B14.TR CIT-HSP Homo sapiens genomic clone 384B14, genomic survey se-
 quence//1.1e-15:156:81//B54637
 15 R-PLACE3000208//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 591N18, WORKING
 DRAFT SEQUENCE//1.3e-16:139:87//AL031594
 R-PLACE3000218//HS_3185_B1_B01_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3185 Col=1 Row=D, genomic survey sequence//3.5e-07:120:75//AQ155720
 R-PLACE3000220//Homo sapiens chromosome 17, clone HRPC1096F1, complete sequence//2.4e-44:363:80//
 20 AC004167
 R-PLACE3000226//Caenorhabditis elegans cosmid M01G5//0.88:95:77//AF078786
 R-PLACE3000230//Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and ccr6 (ccr6) genes, complete cds, and
 lactoferrin (lactoferrin) gene, partial cds, complete sequence//5.3e-69:536:81//U95626
 R-PLACE3000242//Sequence 1 from patent US 5599918//3.2e-62:546:78//I35489
 25 R-PLACE3000244//M.musculus mRNA for 200 kD protein//1.7e-45:404:75//X80169
 R-PLACE3000254//Human mRNA for KIAA0309 gene, partial cds//7.5e-28:174:94//AB002307
 R-PLACE3000271//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 423B22, WORKING
 DRAFT SEQUENCE//3.9e-54:492:77//AL034379
 R-PLACE3000276//Homo sapiens PAC clone DJ0320J15 from Xq23, complete sequence//5.4e-12:176:69//
 30 AC004081
 R-PLACE3000304//Homo sapiens chromosome 19, cosmid R26660, complete sequence//5.7e-114:555:97//
 AC005328
 R-PLACE3000310//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 467L1, WORKING
 DRAFT SEQUENCE//6.2e-51:314:84//Z98884
 35 R-PLACE3000320//Homo sapiens elastin gene, exons 5-27 and alternatively spliced products, partial cds//2.5e-
 44:289:90//U93037
 R-PLACE3000322//Human argininosuccinate lyase (ASL) gene, exon 3//5.9e-20:153:88//M21006
 R-PLACE3000331//Homo sapiens clone DJ0592G07, WORKING DRAFT SEQUENCE, 3 unordered pieces//
 1.1e-43:230:84//AC005480
 40 R-PLACE3000339
 R-PLACE3000341//Homo sapiens 3p22 Contig 7 PAC RPC14-672N11 (Roswell Park Cancer Institute Human PAC
 Library) complete sequence//2.5e-111:550:97//AC006055
 R-PLACE3000350//Human DNA sequence from clone 243E7 on chromosome 22q12.1. Contains ESTs, STSs and
 GSSs, complete sequence//1.5e-44:314:78//AL022323
 45 R-PLACE3000352//HS_3095_B1_E09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3095 Col=17 Row=J, genomic survey sequence//8.5e-73:356:99//AQ123142
 R-PLACE3000353//Caenorhabditis elegans DNA *** SEQUENCING IN PROGRESS *** from clone Y22F5,
 WORKING DRAFT SEQUENCE//0.21:194:63//Z99712
 R-PLACE3000362//Plasmodium falciparum coronin gene, isolate 3D7//0.26:360:60//AJ002197
 50 R-PLACE3000363
 R-PLACE3000365//Human BAC clone RG343P13 from 7q31, complete sequence//4.6e-52:487:76//AC002465
 R-PLACE3000373//HS_3202_B1_G05_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3202 Col=9 Row=N, genomic survey sequence//2.4e-75:437:90//AQ252699
 R-PLACE3000388//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 732E4, WORKING
 55 DRAFT SEQUENCE//6.4e-61:515:81//AL008722
 R-PLACE3000399//Homo sapiens clone DJ1186P10, WORKING DRAFT SEQUENCE, 6 unordered pieces//
 0.00098:444:60//AC005231
 R-PLACE3000400//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING

DRAFT SEQUENCE, 7 unordered pieces.//0.78:155:66//AC005506
 R-PLACE3000401//Homo sapiens clone DJ1147A01, WORKING DRAFT SEQUENCE, 25 unordered pieces.//
 8.0e-47:223:81//AC006023
 5 R-PLACE3000402//Homo sapiens chromosome 17, clone 104H12, complete sequence.//1.0:179:63//AC000003
 R-PLACE3000405//Homo sapiens chromosome 7qtelo BAC F6, complete sequence.//2.4e-44:466:74//AF104455
 R-PLACE3000406//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 268H5, WORKING
 DRAFT SEQUENCE.//7.7e-49:471:75//AL008718
 R-PLACE3000413
 R-PLACE3000416//Homo sapiens *** SEQUENCING IN PROGRESS *** from PAC 1577, WORKING DRAFT SE-
 10 QUENCE.//5.4e-42:416:77//AJ009612
 R-PLACE3000425//Human DNA sequence from PAC 130G2 on chromosome 6p22.2-22.3. Contains ribosomal
 protein L29 pseudogene, ESTs and STSs.//1.1e-41:366:78//AL008627
 R-PLACE3000455//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 469D22, WORKING
 DRAFT SEQUENCE.//3.8e-98:549:92//AL031284
 15 R-PLACE3000475//Human signal transducing adaptor molecule STAM mRNA, complete cds.//1.9e-82:440:92//
 U43899
 R-PLACE3000477
 R-PLACE4000009//R.norvegicus mRNA encoding 45kDa protein which binds to heyman nephritis antigen
 gp330.//6.6e-17:344:68//Z11995
 20 R-PLACE4000014//Homo sapiens mRNA for KIAA0809 protein, partial cds.//2.7e-83:433:95//AB018352
 R-PLACE4000034//cSRL-51C5-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone
 cSRL-51C5, genomic survey sequence.//0.54:116:66//B04984
 R-PLACE4000049//Human BAC clone GS165I04 from 7q21, complete sequence.//0.29:313:59//AC002379
 R-PLACE4000052//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL4P1, WORKING
 25 DRAFT SEQUENCE.//0.0058:466:57//AL034557
 R-PLACE4000063//Homo sapiens chromosome 7q22 sequence, complete sequence.//0.98:246:61//AF053356
 R-PLACE4000089//RPCI11-1511.TUB RPCI-11 Homo sapiens genomic clone RPCI-11-1511, genomic survey se-
 quence.//3.2e-07:284:60//B82414
 R-PLACE4000093//Plasmodium falciparum 3D7 chromosome 12 PFYAC357 genomic sequence, WORKING
 30 DRAFT SEQUENCE, 7 unordered pieces.//2.4e-07:429:60//AC005506
 R-PLACE4000100
 R-PLACE4000106//Homo sapiens clone 24561 unknown mRNA, partial cds.//9.3e-100:419:91//AF055010
 R-PLACE4000128//Human Chromosome 16 BAC clone CIT987SK-A-61E3, complete sequence.//9.6e-45:284:
 90//AC003007
 35 R-PLACE4000129//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0500.//1.6e-19:118:100//
 AB007969
 R-PLACE4000147//Homo sapiens BAC clone NH0342K06 from 2, complete sequence.//8.9e-17:208:73//
 AC005034
 R-PLACE4000156//Homo sapiens DNA sequence from PAC 352A20 on chromosome 6q24.1-25.1. Contains a
 40 pseudogene similar to yeast, bacterial, worm and slime mold hypothetical genes, and a gene coding for an aldehyde
 dehydrogenase family protein. Contains ESTs, STSs and GSSs, complete sequence.//3.7e-43:281:90//AL021939
 R-PLACE4000192
 R-PLACE4000222//Homo sapiens clone DJ1129J21, WORKING DRAFT SEQUENCE, 25 unordered pieces.//
 5.4e-44:280:82//AC005631
 45 R-PLACE4000233//Homo sapiens full-length insert cDNA YH59G06.//1.8e-79:414:97//AF074981
 R-PLACE4000247//Homo sapiens chromosome 17, clone hRPK.156_L_14, complete sequence.//5.7e-59:558:
 76//AC005821
 R-PLACE4000250//CIT-HSP-2335L20.TR CIT-HSP Homo sapiens genomic clone 2335L20, genomic survey se-
 quence.//1.7e-44:313:84//AQ037381
 50 R-PLACE4000252//Homo sapiens chromosome 17, clone hRPK.700_H_6, complete sequence.//1.5e-39:311:83//
 AC005920
 R-PLACE4000261//H.sapiens BF1P-g1H03np gene for immunoglobulin heavy chain variable region.//0.33:197:
 61//Z80410
 R-PLACE4000269//Homo sapiens chromosome 4 clone B368A9 map 4q25, complete sequence.//1.4e-31:327:
 68//AC005510
 55 R-PLACE4000270//Homo sapiens DNA for amyloid precursor protein, complete cds.//2.3e-32:345:74//D87675
 R-PLACE4000300//Sequence 61 from patent US 5744300.//0.0017:51:98//AR003339
 R-PLACE4000320//Human DNA sequence from clone 441J1 on chromosome 6p24 Contains STS, GSS, complete

sequence.//8.2e-41:295:85//Z99495
 R-PLACE4000323//Human chromosome 11 187a8 cosmid, complete sequence.//1.3e-32:404:75//U73640
 R-PLACE4000326
 R-PLACE4000344//Homo sapiens PAC clone DJ0988G15 from 7q33-q35, complete sequence.//0.32:135:68//
 5 AC005587
 R-PLACE4000367//H.sapiens gene encoding RING finger protein.//0.61:146:67//Y07829
 R-PLACE4000369//HS_3181_A1_B02_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3181 Col=3 Row=C, genomic survey sequence.//7.1e-80:424:94//AQ173222
 R-PLACE4000379//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1104E15, WORKING
 10 DRAFT SEQUENCE.//1.7e-05:160:65//AL022312
 R-PLACE4000387//Homo sapiens clone DJ0876A24, WORKING DRAFT SEQUENCE, 6 unordered pieces.//2.4e-
 47:351:81//AC004913
 R-PLACE4000392//Human DNA sequence from clone 751H9 on chromosome 6q13. Contains part of an unknown
 gene, ESTs, STSs and GSSs, complete sequence.//8.5e-88:541:88//AL034377
 15 R-PLACE4000401//Human Chromosome 11 overlapping pacs pDJ235k10 and pDJ239b22, WORKING DRAFT
 SEQUENCE, 17 unordered pieces.//2.7e-17:143:83//AC000406
 R-PLACE4000411
 R-PLACE4000445//Homo sapiens clone DJ0613C23, WORKING DRAFT SEQUENCE, 4 unordered pieces.//
 0.028:91:78//AC005628
 20 R-PLACE4000465//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 30A23, WORKING
 DRAFT SEQUENCE.//1.6e-43:532:71//AL022156
 R-PLACE4000489//Plasmodium falciparum chromosome 2, section 64 of 73 of the complete sequence.//4.1e-06:
 357:61//AE001427
 R-PLACE4000494//Homo sapiens 12p13.3 PAC RPCI5-1063M23 (Roswell Park Cancer Institute Human PAC
 25 Library) complete sequence.//2.7e-37:416:74//AC005865
 R-PLACE4000522
 R-PLACE4000548//Homo sapiens 12p13.3 PAC RPCI5-1096D14 (Roswell Park Cancer Institute Human PAC Li-
 brary) complete sequence.//0.0020:383:60//AC005342
 R-PLACE4000558//Homo sapiens 12q24 BAC RPCI11-162P23 (Roswell Park Cancer Institute Human BAC li-
 30 brary) complete sequence.//2.9e-44:465:75//AC002996
 R-THYRO1000026//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 37E16, WORKING
 DRAFT SEQUENCE.//2.2e-43:354:82//Z83844
 R-THYRO1000034//Plasmodium falciparum chromosome 2, section 59 of 73 of the complete sequence.//0.022:
 327:60//AE001422
 35 R-THYRO1000035//HS_3018_B2_F10_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
 nomic clone Plate=3018 Col=20 Row=L, genomic survey sequence.//2.3e-36:228:91//AQ092318
 R-THYRO1000040//Plasmodium falciparum 3D7 chromosome 12 PFYAC293 genomic sequence, WORKING
 DRAFT SEQUENCE, 9 unordered pieces.//1.0:367:56//AC004157
 R-THYRO1000070//***ALU WARNING: Human Alu-Sq subfamily consensus sequence.1/1e-44:284:89//U14573
 40 R-THYRO1000072//***ALU WARNING: Human Alu-J subfamily consensus sequence.//6.6e-33:150:83//U14567
 R-THYRO1000085
 R-THYRO1000092//Homo sapiens chromosome 7qtel0 BAC F6, complete sequence.//3.3e-36:301:78//AF104455
 R-THYRO1000107//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 12513, WORKING
 DRAFT SEQUENCE.//1.4e-35:282:82//AL033528
 45 R-THYRO1000111//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-279B10, complete sequence.//4.0e-
 32:351:65//AC002300
 R-THYRO1000121//Human chromosome 16 BAC clone CIT987SK-A-962B4, complete sequence.//6.6e-77:507:
 85//U91318
 R-THYRO1000124//High throughput sequencing of human chromosome 12, WORKING DRAFT SEQUENCE, 1
 50 ordered pieces.//0.66:334:59//AC005840
 R-THYRO1000129//Homo sapiens TED protein (TED) mRNA, complete cds.//2.3e-88:449:96//AF087142
 R-THYRO1000132//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 212A2, WORKING
 DRAFT SEQUENCE.//1.1e-40:298:84//Z95114
 R-THYRO1000156//Homo sapiens chromosome 17, clone hRPK.849_N_15, complete sequence.//3.4e-37:425:
 55 73//AC005703
 R-THYRO1000163//RPCI11-1B20.TVB RPCI-11 Homo sapiens genomic clone RPCI-11-1B20, genomic survey
 sequence.//8.4e-38:276:84//B63536
 R-THYRO1000173//Human DNA sequence from PAC 323B6 on chromosome X contains ESTs CpG island.//1.1e-

70:553:81//Z83841
R-THYRO1000186//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 410I8, WORKING
DRAFT SEQUENCE.//6.7e-41:345:81//AL031732
R-THYRO1000187//Human thymopoietin (TMPO) gene, partial exon 6, complete exon 7, partial exon 8, and partial
5 cds for thymopoietin beta.//1.3e-43:356:80//U18271
R-THYRO1000190//Homo sapiens chromosome 17, clone HRPC843B9, complete sequence.//2.6e-40:386:77//
AC004139
R-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease.//1.1e-108:535:97//AJ005698
R-THYRO1000199//Homo sapiens mRNA for KIAA0652 protein, complete cds.//1.4e-113:559:97//AB014552
10 R-THYRO1000206//Rat PMSG-induced ovarian mRNA, 3' sequence, N4.//4.0e-43:318:86//D84482
R-THYRO1000221//Human DNA from overlapping chromosome 19 cosmids R31396, F25451, and R31076 con-
taining COX6B and UPKA, genomic sequence, complete sequence.//2.7e-44:452:76//AC002115
R-THYRO1000241//Homo sapiens Cosmid Clone p129d11 unknown chromosomal location, complete sequence.//
4.8e-58:447:81//AC000039
15 R-THYRO 1000242
R-THYRO1000253//Homo sapiens DNA sequence from PAC 179N16 on chromosome 6p21.1-21.33. Contains
the SAPK4 (MAPK p38delta) gene, and the alternatively spliced SAPK2 gene coding for CSaids binding protein
CSBP2 and a MAPK p38beta LIKE protein. Contains ESTs, STSs and two predicted CpG islands, complete se-
quence.//3.4e-56:300:84//Z95152
20 R-THYRO1000270
R-THYRO1000279//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 531H16, WORKING
DRAFT SEQUENCE.//4.8e-113:584:96//AL031664
R-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds.//1.1e-98:566:91//AB016068
R-THYRO1000320//HS_2033_B1_A07_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
25 nomic clone Plate=2033 Col=13 Row=B, genomic survey sequence.//0.97:211:63//AQ233366
R-THYRO1000327//Sequence 1 from patent US 5541298.//2.8e-52:289:93//I24058
R-THYRO1000343//Homo sapiens mRNA for KIAA0790 protein, partial cds.//1.1e-111:559:96//AB018333
R-THYRO1000358//Human selenium-binding protein (hSBP) mRNA, complete cds.//4.6e-47:317:87//U29091
R-THYRO1000368//HS_3049_A1_E12_MF CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
30 nomic clone Plate=3049 Col=23 Row=I, genomic survey sequence.//7.0e-11:111:83//AQ126777
R-nnnnnnnnnnnnn
R-THYRO1000387//Homo sapiens PAC clone DJ1048B16 from 7q34-q36, complete sequence.//2.4e-101:545:
93//AC006019
R-THYRO1000394//Homo sapiens Chromosome 11q12.2 PAC clone pDJ688p12 containing uteroglobin gene,
35 WORKING DRAFT SEQUENCE, 11 unordered pieces.//1.6e-46:233:88//AC006078
R-THYRO1000395//Mouse MIPP mRNA for a placenta-expressed gene.//2.3e-57:395:85//X58523
R-THYRO 1000401
3.3e-111:546:97//AF051907
R-THYRO1000438//Homo sapiens clone DJ1186P10, WORKING DRAFT SEQUENCE, 6 unordered pieces.//
40 2.7e-44:289:89//AC005231
R-THYRO1000452//Homo sapiens chromosome 17, clone hRPK.243_K_12, complete sequence.//6.7e-27:222:
82//AC005668
R-THYRO1000471//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 102D24, WORKING
DRAFT SEQUENCE.//2.4e-36:369:76//AL021391
45 R-THYRO1000484//Homo sapiens clone DJ1099N07, complete sequence.//1.6e-43:288:81//AC004962
R-THYRO1000488//Homo sapiens chromosome 5p, BAC clone 50g21 (LBNL H154), complete sequence.//1.6e-
95:512:94//AC005740
R-THYRO1000501//HS_2208_A1_G11_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=2208 Col=21 Row=M, genomic survey sequence.//0.0063:189:63//AQ091586
50 R-THYRO1000502//Homo sapiens eIF-1A, Y isoform (EIF1AY) mRNA, complete cds.//0.19:468:60//AF000987
R-THYRO1000505//Homo sapiens chromosome 19, cosmid R31546, complete sequence.//0.20:214:58//
AC004798
R-THYRO1000558
R-THYRO 1000569
55 R-THYRO1000570//Homo sapiens full-length insert cDNA clone ZD76G10.//4.3e-41:209:100//AF086408
R-nmmmmmmmm//Homo sapiens protein associated with Myc mRNA, complete cds.//8.2e-107:533:97//AF075587
R-THYRO 000596//Mus musculus mitochondrial DNA polymerase accessory subunit (MtPolB) mRNA, nuclear
gene encoding mitochondrial protein, partial cds.//0.36:170:67//AF006072

- R-THYRO1000602//Homo sapiens DNA for amyloid precursor protein, complete cds.//2.2e-53:289:92//D87675
 R-THYRO 1000605
 R-THYRO1000625//Homo sapiens chromosome 19, cosmid R29425, complete sequence.//1.3e-31:261:82//AC005546
- 5 R-THYRO1000637//Human DNA sequence from clone 243E7 on chromosome 22q12.1. Contains ESTs, STSs and GSSs, complete sequence.//4.0e-06:249:63//AL022323
 R-THYRO1000641//P.falciparum glutamic acid-rich protein gnen, complete cds.//3.1e-08:244:68//J03998
 R-THYRO1000658//***ALU WARNING: Human Alu-Sp subfamily consensus sequence.//3.9e-49:282:93//U14572
 R-nnnnnnnnnnnnn
- 10 R-THYRO1000666//Homo sapiens DNA sequence from PAC 329E20 on chromosome 1p34.4-36.13. Contains endothelin-converting-enzyme 1 (ECE-1), EST, STS, CA repeat, complete sequence.//1.9e-20:215:77//AL031005
 R-THYRO1000676//Homo sapiens chromosome 4 clone B71M12 map 4q25, complete sequence.//1.2e-06:227:64//AC004069
 R-THYRO1000684
- 15 R-THYRO1000699
 R-THYRO1000712
 R-THYRO1000734//Human BAC clone RG191D16, complete sequence.//3.7e-14:468:64//AC002460
 R-THYRO1000748//Homo sapiens cosmid 123E15, complete sequence.//2.6e-11:182:73//AF024533
 R-THYRO1000756//Sequence 21 from patent US 5552281.//1.4e-15:106:98//I25660
- 20 R-THYRO1000777//Plasmodium falciparum MAL3P2, complete sequence.//1.0:175:66//AL034558
 R-THYRO1000783//CIT-HSP-2335P6.TF CIT-HSP Homo sapiens genomic clone 2335P6, genomic survey sequence.//1.2e-81:391:99//AQ038226
 R-THYRO1000787//Homo sapiens chromosome Y, clone 264,M,20, complete sequence.//9.4e-07:494:58//AC004617
- 25 R-THYRO1000793
 R-THYRO1000796//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 167P19, WORKING DRAFT SEQUENCE.//1.7e-42:379:79//Z93014
 R-THYRO1000805//Human Chromosome 11 pac pDJ610i20, WORKING DRAFT SEQUENCE, 18 unordered pieces.//4.7e-40:362:76//AC002555
- 30 R-THYRO1000815//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 316D5, WORKING DRAFT SEQUENCE.//4.0e-58:295:92//Z82199
 R-THYRO1000829//Sequence 7 from patent US 5716622.//0.97:362:61//I87788
 R-THYRO1000843//Homo sapiens Chromosome 15q11-q13 PAC clone pDJ351h23 from the Prader-Willi/Angelman Syndrome region, complete sequence.//3.3e-57:522:76//AC004738
- 35 R-THYRO1000852//Homo sapiens chromosome 11 clone CIT-HSP-1337H24, WORKING DRAFT SEQUENCE, 9 unordered pieces.//4.2e-17:291:69//AC005849
 R-THYRO1000855//Human DNA sequence from clone 366B10 on chromosome 22q12.2-12.3. Contains GSSs, complete sequence.//1.1e-41:419:75//AL031592
 R-THYRO1000865//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1125A11, WORKING DRAFT SEQUENCE.//9.0e-47:294:84//AL034549
- 40 R-THYRO1000895//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 380F5, WORKING DRAFT SEQUENCE.//3.7e-111:569:96//AL031719
 R-THYRO1000916//Homo sapiens clone DJ0965K10, WORKING DRAFT SEQUENCE, 6 unordered pieces.//1.0e-97:554:92//AC006015
- 45 R-THYRO1000926//Homo sapiens CAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//9.6e-109:566:94//AF079529
 R-THYRO1000934//Homo sapiens full-length insert cDNA clone ZD69A10.//1.6e-104:539:95//AF086378
 R-THYRO1000951//Homo sapiens Chromosome 11q12 pac pDJ57114, WORKING DRAFT SEQUENCE, 29 unordered pieces.//8.9e-61:479:81//AC004229
- 50 R-THYRO1000952//Human autoimmune thyroid disease-related antigen mRNA.//5.3e-16:116:93//M28639
 R-THYRO1000974//Homo sapiens ribosomal protein L33-like protein mRNA, complete cds.//3.2e-59:321:95//AF047440
 R-THYRO1000975//Homo sapiens chromosome 19, cosmid F18718, complete sequence.//1.9e-44:396:79//AC006126
- 55 R-THYRO1000983//Homo sapiens chromosome 17, clone hRPK.271_K_11, complete sequence.//0.99:71:78//AC005562
 R-THYRO1000984//Homo sapiens Chromosome 11q12.2 PAC clone pDJ688p12 containing uteroglobin gene, WORKING DRAFT SEQUENCE, 11 unordered pieces.//6.7e-42:320:84//AC006078

EP 1 074 617 A2

R-THYRO1000988//Homo sapiens DNA sequence from PAC 230G1 on chromosome Xp11.3. Contains EST, STS and GSS, complete sequence.//6.7e-39:292:78//Z84466

R-THYRO1001003//HS_3051_B1_H01_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3051 Col=1 Row=P, genomic survey sequence.//2.5e-39:310:83//AQ253727

5 R-THYRO1001031//Homo sapiens DNA sequence from PAC 230G1 on chromosome Xp11.3. Contains EST, STS and GSS, complete sequence.//2.5e-50:300:88//Z84466

R-THYRO1001033//CIT-HSP-2007J14.TF CIT-HSP Homo sapiens genomic clone 2007J14, genomic survey sequence.//5.1e-26:143:100//B56677

R-THYRO1001062//CIT-HSP-2386P3.TF.1 CIT-HSP Homo sapiens genomic clone 2386P3, genomic survey sequence.//1.4e-48:316:87//AQ239882

10 R-THYRO1001093

R-THYRO1001100//Homo sapiens BAC clone RG152G17 from 7q22-q31.1, complete sequence.//0.47:102:73//AC005070

R-THYRO1001120

15 R-THYRO1001121//Homo sapiens mRNA for beta-tubulin folding cofactor D.//8.9e-81:429:94//AJ006417

R-THYRO1001133//CIT-HSP-2381110.TR CIT-HSP Homo sapiens genomic clone 2381110, genomic survey sequence.//4.7e-12:237:67//AQ111077

R-THYRO1001134

R-THYRO1001142//H.sapiens CpG island DNA genomic MseI fragment, clone 81d1, reverse read cp981d1.rt1a.//0.95:214:60//Z56037

20 R-THYRO1001173//cSRL-27c11-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-27c11, genomic survey sequence.//4.6e-26:262:77//B04145

R-THYRO1001177

R-THYRO1001189//Homo sapiens DNA from chromosome 19, BAC 33152, complete sequence.//1.0e-41:281:87//AC003973

25 R-THYRO 1001204

R-THYRO1001213//Human Alu repeat sequence A6.//3.8e-38:236:88//U12581

R-THYRO1001262//Homo sapiens, clone hRPK.16_A_1, complete sequence.//8.7e-53:442:79//AC006227

R-THYRO1001271//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0224P12; HTGS phase 1, WORKING DRAFT SEQUENCE, 13 unordered pieces.//0.53:330:61//AC004630

30 R-THYRO 1001290

R-THYRO1001313//H.sapiens CpG island DNA genomic MseI fragment, clone 195h3, forward read cp9195h3.ft1b.//0.046:126:66//Z57783

R-THYRO1001320//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 424J12, WORKING DRAFT SEQUENCE.//3.0e-58:476:80//Z82207

35 R-THYRO100132//Plasmodium falciparum MAL3P2, complete sequence.//1.0e-08:408:62//AL034558

R-nnnnnnnnnnnnnn

R-THYRO1001347//Homo sapiens mRNA for KIAA0745 protein, partial cds.//3.2e-08:266:64//AB018288

R-THYRO1001363//cSRL-72f5-u cSRL flow sorted Chromosome 11 specific cosmid Homo sapiens genomic clone cSRL-72f5, genomic survey sequence.//1.7e-85:471:92//B05884

40 R-THYRO1001365//Homo sapiens chromosome 10 clone CIT987SK-1163G10 map 10q25, complete sequence.//1.8e-109:584:94//AC005660

R-THYRO1001374

R-THYRO1001401//Human pigment epithelium-derived factor gene, complete cds.//4.2e-51:333:88//U29953

45 R-THYRO1001403//Human PAC clone DJ222H05 from Xq25-q26, complete sequence.//8.7e-38:307:82//AC002377

R-THYRO1001405

R-THYRO1001406//RPC11-69F22.TK RPC11 Homo sapiens genomic clone R-69F22, genomic survey sequence.//1.9e-67:400:90//AQ238297

50 R-THYRO1001411//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 80N2, WORKING DRAFT SEQUENCE.//2.2e-06:349:63//AL031123

R-THYRO1001426//*** SEQUENCING IN PROGRESS *** Homo sapiens genomic DNA (PAC 1118i22) from chromosome 11; HTGS phase 1, WORKING DRAFT SEQUENCE.//2.2e-89:506:86//AJ002553

R-THYRO1001434//Microcentus caryae 12S mitochondrial ribosomal RNA, small subunit, mitochondrial gene, partial sequence.//1.0:176:61//U77877

55 R-THYRO1001458//Human DNA sequence from clone 453C12 on chromosome 20q12-13.12 Contains SDC4 (syndecan 4 (amphiglycan, ryudocan)) predicts a gene like the mouse transcription factor RBP-L, MATN4 (matrilin-4) STS, GSS, CpG island, complete sequence.//3.3e-07:196:67//AL021578

- R-THYRO1001480//Homo sapiens clone DJ0756H11, WORKING DRAFT SEQUENCE, 5 unordered piece//1.2e-99:517:95//AC006001
- R-THYRO1001487//Homo sapiens, WORKING DRAFT SEQUENCE, 97 unordered pieces//8.5e-14:221:70//AC004085
- 5 R-THYRO10001534//HS_2242_B2_H04_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2242 Col=8 Row=P, genomic survey sequence//0.00012:141:68//AQ182326
- R-THYRO1001537//Human DNA sequence from clone 111F4 on chromosome Xq23 Contains GSSs, complete sequence//0.42:323:60//AL023876
- 10 R-THYRO1001541//Homo sapiens clone RG228D17, WORKING DRAFT SEQUENCE, 2 unordered pieces//1.7e-42:370:78//AC005077
- R-THYRO1001559//Homo sapiens 12q24.2 PAC RPCI5-944M2 (Roswell Park Cancer Institute Human PAC Library) complete sequence//1.0:144:67//AC005868
- R-THYRO1001570//Plasmodium falciparum 3D7 chromosome 12 PFYAC492 genomic sequence, WORKING DRAFT SEQUENCE, 5 unordered pieces//0.43:268:61//AC005308
- 15 R-THYRO1001573//M.avium rpsL gene//0.98:131:66//X80120
- R-THYRO1001584//A.longa plastid genes for ribosomal proteins and tRNAs//0.29:502:58//X75653
- R-THYRO1001595//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone Y313F4, WORKING DRAFT SEQUENCE//1.5e-33:319:78//AL023808
- 20 R-THYRO1001602//Homo sapiens chromosome 17, clone hRPK.142_H_19, complete sequence//4.4e-13:320:67//AC005919
- R-THYRO1001605//Human DNA sequence from PAC 358H7 on chromosome X//1.9e-32:391:76//Z77249
- R-THYRO1001617//Homo sapiens cDNA for dihydroxyacetone phosphate acyltransferase (DAP-AT)//1.9e-81:448:92//AJ002190
- R-THYRO1001637//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 688G8, WORKING DRAFT SEQUENCE//5.4e-41:381:78//AL031671
- 25 R-THYRO1001656//HS_2201_B2_A08_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2201 Col=16 Row=B, genomic survey sequence//0.096:162:63//AQ293168
- R-THYRO1001661//Human immunoglobulin-associated (B29) gene, promoter and exon 1, partial cds//1.0:229:62//U22954
- 30 R-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform//4.8e-110:562:95//AJ225089
- R-THYRO1001673//CIT-HSP-2327D12.TR CIT-HSP Homo sapiens genomic clone 2327D12, genomic survey sequence//1.5e-17:224:68//AQ042426
- R-THYRO1001703//Homo sapiens clone 198 unknown mRNA, partial sequence//1.6e-44:251:93//AF091072
- 35 R-THYRO1001706//Homo sapiens clone DJ0935K16, complete sequence//1.8e-26:378:68//AC006011
- R-THYRO1001721//, complete sequence//1.3e-101:571:92//AC005500
- R-nnnnnnnnnnnnnnn
- R-THYRO1001745//Homo sapiens chromosome 5, PAC clone 247f3 (LBNL H85), complete sequence//1.1e-15:193:70//AC004777
- 40 R-THYRO1001746//Human inter-alpha-trypsin inhibitor light chain (ITI) gene, exon 3//0.54:260:61//M88244
- R-THYRO1001772//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 30A23, WORKING DRAFT SEQUENCE//1.6e-12:285:64//AL022156
- R-THYRO1001793
- R-THYRO1001809//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 1071N3, WORKING DRAFT SEQUENCE//2.5e-43:486:74//AL031728
- 45 R-THYRO1001854//Homo sapiens chromosome 17, clone hRPK.74_E_22, complete sequence//5.0e-41:245:87//AC005696
- R-THYRO1001895//Human Chromosome 11p14.3 PAC clone 6-106f23, complete sequence//4.4e-12:419:61//AC005137
- 50 R-THYRO1001907//Homo sapiens Chromosome 22q11.2 Cosmid Clone 24b In DGCR Region, complete sequence//8.1e-35:340:78//AC000075
- R-VESEN1000122//Homo sapiens Luman mRNA, complete cds//1.3e-23:138:98//AF009368
- R-Y79AA1000013
- R-Y79AA1000033//Homo sapiens BAC clone GS114I09 from 7p14-p15, complete sequence//9.9e-112:551:97//AC006027
- 55 R-Y79AA1000037//CIT-HSP-2334F3.TR CIT-HSP Homo sapiens genomic clone 2334F3, genomic survey sequence//0.16:308:60//AQ036673
- R-Y79AA1000059//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-279B10, complete sequence//6.1e-

56:314:88//AC002300
R-Y79AA1000065//Human carboxylesterase gene, exon 5//0.64:203:63//D21079
R-Y79AA1000131//*** SEQUENCING IN PROGRESS *** Homo sapiens chromosome 4, BAC clone C0548N01;
HTGS phase 1, WORKING DRAFT SEQUENCE, 31 unordered pieces//7.0e-18:169:79//AC004795
5 R-Y79AA1000181//Human DNA sequence from clone 612B18, on chromosome 1q24-25.3 Contains exon from
gene similar to 40S ribosomal protein, first coding exon of dynamin 2 (DYNII). ESTs, STS, GSS, CpG island,
complete sequence//1.1e-106:474:98//AL031864
R-Y79AA1000202//CIT978SK-A-518G2.TP CIT978SK Homo sapiens genomic clone A-518G2, genomic survey
sequence//1.0e-10:78:97//B68074
10 R-Y79AA1000214//Homo sapiens clone DJ0673M15, WORKING DRAFT SEQUENCE, 33 unordered pieces//
6.5e-59:386:90//AC004854
R-Y79AA1000230//Cytosine deaminase 18S ribosomal RNA//1.0:167:62//L19080
R-Y79AA1000231//HS_3009_A1_H03_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3009 Col=5 Row=O, genomic survey sequence//6.4e-52:348:88//AQ090225
15 R-Y79AA1000258//Hepatitis C virus HCV-B9 gene for NS5, partial cds//0.65:127:65//D10558
R-Y79AA1000268//Human DNA sequence from PAC 162H14 on chromosome 22. Contains 3' part of a FIBULIN
1 like gene and ESTs, complete sequence//4.7e-40:300:84//Z98047
R-Y79AA10003131//Human DNA sequence from PAC 179I15, BRCA2 gene region chromosome 13q12-q13 con-
tains Klotho ESTs and CpG island//5.0e-14:136:83//Z92540
20 R-Y79AA1000328
R-Y79AA1000342//S.clavuligerus linear plasmid pSCL (complete sequence)//0.55:189:65//X54107
R-Y79AA1000346//Human MEST mRNA, complete cds//0.00013:52:100//D78611
R-Y79AA1000349//M.musculus Spnr mRNA for RNA binding protein//8.8e-36:300:81//X84692
R-Y79AA1000355//Human DNA sequence from clone 551E13 on chromosome Xp11.2-11.3 Contains farnesyl
pyrophosphate synthetase pseudogene, VT4 protein pseudogene, EST, GSS, complete sequence//5.7e-45:403:
25 80//AL022163
R-Y79AA1000368
R-Y79AA1000405//RPCI11-16B12.TPB RPCI-11 Homo sapiens genomic clone RPCI-11-16B12, genomic survey
sequence//0.10:171:65//B88000
30 R-Y79AA1000410//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 92N15, WORKING
DRAFT SEQUENCE//4.1e-50:361:83//Z93097
R-Y79AA1000420//Plasmodium falciparum merozoite surface protein 4, merozoite surface protein 5, merozoite
surface protein 2, and adenylosuccinate lyase genes, complete cds//0.071:474:57//AF033037
R-Y79AA1000469//Homo sapiens clone NH0140K04, complete sequence//1.8e-86:221:90//AC005033
35 R-Y79AA1000480//Homo sapiens chromosome 4 clone B240N9 map 4q25, complete sequence//2.1e-14:179:
72//AC004057
R-Y79AA1000538//Homo sapiens clone DJ0826E18, WORKING DRAFT SEQUENCE, 4 unordered pieces//4.5e-
43:321:83//AC005282
R-Y79AA1000539//Homo sapiens PAC clone DJ0074M20 from X, complete sequence//0.0012:275:59//
40 AC006143
R-Y79AA1000540//Z.diploperemnis repetitive DNA (clone ZEAR 260)//0.0017:258:62//X53609
R-Y79AA1000560//Mouse mRNA for alpha-adaptin (C)//6.1e-32:390:70//X14972
R-Y79AA1000574//Homo sapiens chromosome 9q34, clone 23B4, complete sequence//0.96:224:61//AC002325
R-Y79AA1000627//Homo sapiens full-length insert cDNA ZA77G02//6.3e-100:533:94//AF075117
45 R-Y79AA1000705//RPCI11-76G7.TV RPCI11 Homo sapiens genomic clone R-76G7, genomic survey sequence//
4.6e-88:429:98//AQ268433
R-Y79AA1000734//Homo sapiens peroxisomal biogenesis factor (PEX11b) mRNA, complete cds//2.7e-112:586:
95//AF093670
R-Y79AA1000748
50 R-Y79AA1000752
R-Y79AA1000774//CIT-HSP-2288K24.TF CIT-HSP Homo sapiens genomic clone 2288K24, genomic survey se-
quence//5.3e-45:316:86//AQ005014
R-Y79AA1000782//Human mRNA for KIAA0246 gene, partial cds//5.0e-17:107:100//D87433
R-Y79AA1000784//Plasmodium falciparum 3D7 chromosome 12 PFYAC181 genomic sequence, WORKING
55 DRAFT SEQUENCE, 8 unordered pieces//0.00034:520:55//AC005505
R-Y79AA1000794//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 989H11, WORKING
DRAFT SEQUENCE//0.015:322:60//Z83851
R-Y79AA1000800//M.musculus tex264 mRNA (3'region)//1.1e-06:104:78//X80427

R-nnnnnnnnnnn/CIT-HSP-2295G6.TF CIT-HSP Homo sapiens genomic clone 2295G6, genomic survey sequence./0.67:152:62//AQ007605
R-Y79AA1000805//Human Chromosome 11 Cosmid cSRL30h11, complete sequence./3.1e-26:423:68//U73642
R-Y79AA1000824//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 329A5, WORKING DRAFT SEQUENCE./1.1e-08:449:61//Z97832
R-Y79AA1000827//Triticum aestivum heat shock protein 101 kDa (HSP101) mRNA, complete cds./1.0:101:69//AF083344
R-Y79AA1000850//Homo sapiens small optic lobes homolog (SOLH) mRNA, complete cds./0.40:386:59//U85647
R-Y79AA1000962//CIT-HSP-2298N11.TR CIT-HSP Homo sapiens genomic clone 2298N11, genomic survey sequence./0.00019:253:65//AQ013111
R-Y79AA1000968//Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds./1.7e-58:446:80//U38253
R-Y79AA1000969
R-Y79AA1000976//CIT-HSP-2350C4.TF CIT-HSP Homo sapiens genomic clone 2350C4, genomic survey sequence./3.3e-60:295:100//AQ061422
R-Y79AA1000985//Mus musculus pericentrin mRNA, complete cds./5.9e-38:348:76//U05823
R-Y79AA1001023
R-Y79AA1001041
R-Y79AA1001048
R-Y79AA1001061//Homo sapiens Chromosome 16 BAC clone CIt987SK-A-427H10, complete sequence./1.2e-60:537:78//AC004626
R-Y79AA1001068//Homo sapiens P1 clone GSP13996 from 5q12, complete sequence./2.3e-41:405:77//AC005031
R-Y79AA1001077
R-Y79AA1001078//Homo sapiens 12q13.1 PAC RPCI1-228P16 (Roswell Park Cancer Institute Human PAC Library) complete sequence./2.0e-09:534:59//AC004801
R-Y79AA1001105//Staphylococcus epidermidis trimethoprim resistance plasmid pSK639/0.0072:309:63//U40259
R-Y79AA1001145//RPCI11-59N12.TK RPCI11 Homo sapiens genomic clone R-59N12, genomic survey sequence./3.7e-07:256:64//AQ200068
R-Y79AA1001167//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 5/15, WORKING DRAFT SEQUENCE./0.55:223:61//AP000012
R-Y79AA1001177//Human gene for Gi3 alpha protein, intron 7 through exon 9, variant U6 gene, and snRNP E protein pseudogene LH87./17.0e-09:203:69//X54048
R-Y79AA1001185
R-Y79AA1001211//Homo sapiens 12p13.3 BAC RPCI11-543P15 (Roswell Park Cancer Institute Human BAC Library) complete sequence./2.1e-32:277:81//AC005912
R-Y79AA1001216//Human chromosome 12p13 sequence, complete sequence./0.98:325:59//U47924
R-Y79AA1001228//Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MAB16, complete sequence./0.0034:378:59//AB018112
R-Y79AA1001233//Homo sapiens clone DJ1178G13, WORKING DRAFT SEQUENCE, 5 unordered pieces./0.19:106:72//AC004988
R-Y79AA1001236//Homo sapiens mRNA for JM23 protein, complete coding sequence (clone IMAGE 34581 and IMAGE 45355 and LLNLc1101133Q7 (RZPD Berlin))./3.4e-109:549:95//AJ005892
R-Y79AA1001281
R-Y79AA1001299//Homo sapiens SNF5/INI1 gene, exon 9./6.3e-24:133:100//Y17126
R-Y79AA1001312//Human immunodeficiency virus type 1 variant 43 polymerase pseudogene, partial cds./0.0070:284:58//U45372
R-Y79AA1001323//Fugu rubripes GSS sequence, clone 027L23aG3, genomic survey sequence./0.11:125:70//AL025355
R-Y79AA1001384//W.makrii mitochondrial CYTB and tRNA genes./0.070:209:65//X66594
R-Y79AA1001391//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL1P2, WORKING DRAFT SEQUENCE./0.80:163:62//AL031745
R-Y79AA1001394//Homo sapiens DNA from chromosome 19, cosmid R29144, complete sequence./0.99:241:63//AC004221
R-Y79AA1001402//Homo sapiens Chr.14 PAC RPCI4-794B2 (Roswell Park Cancer Institute Human PAC Library) complete sequence./0.25:81:80//AC005924
R-Y79AA1001493
R-Y79AA1001511//Human DNA sequence from clone 931K24 on chromosome 20p12 Contains ESTs and GSSs

complete sequence//1.3e-35:207:95//AL034430
R-Y79AA1001533//Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds//2.7e-44:285:81//D14336
R-nnnnnnnnnnnn//Human DNA sequence from clone 113J7 on chromosome Xp11.22-11.4. Contains part of a
5 putative Homeobox (pseudo?) gene, ESTs and an STS, complete sequence//0.70:365:60//AL023574
R-Y79AA1001548//Homo sapiens phosphatidylinositol 4-kinase mRNA, complete cds//5.9e-95:517:91//L36151
R-Y79AA1001555
R-Y79AA1001585
R-Y79AA1001594//Human DNA sequence from PAC 60G11 on chromosome X; contains STS//6.6e-19:241:76//
10 Z94722
R-Y79AA1001603//H.sapiens CpG island DNA genomic Mse1 fragment, clone 72f8, forward read cpg72f8.ft1a//
3.3e-21:131:96//Z62766
R-Y79AA1001613
R-Y79AA1001647//Human DNA sequence from PAC 36J3, between markers DXS1192 and DXS102 on chromo-
15 some X//6.3e-08:338:63//Z82975
R-Y79AA1001665//Homo sapiens genomic DNA, chromosome 21q22.2 (Down Syndrome region), segment 1/15,
WORKING DRAFT SEQUENCE//3.2e-11:114:84//AP000008
R-Y79AA1001679//O.cuniculus lambda-crystallin mRNA, complete cds//3.9e-15:270:68//M22743
R-nnnnnnnnnnnn//RPC111-42M5.TJ RPC111 Homo sapiens genomic clone R-42M5, genomic survey sequence//
20 0.013:64:89//AQ052792
R-Y79AA1001696//Apis mellifera ligustica complete mitochondrial genome//9.3e-09:428:58//L06178
R-Y79AA1001705
R-Y79AA1001711//Mus musculus 60 kDa ribonucleoprotein Ro gene, partial cds//2.2e-45:554:75//AF042139
R-Y79AA1001781//Plasmodium falciparum chromosome 2, section 39 of 73 of the complete sequence//1.0:414:
25 57//AE001402
R-nnnnnnnnnnnn//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 510D11, WORKING
DRAFT SEQUENCE//2.8e-05:329:61//Z98044
R-Y79AA1001827//Oryctolagus cuniculus PiUS mRNA, complete cds//2.3e-90:557:89//U74297
R-Y79AA1001846//Homo sapiens DNA sequence from PAC 179N16 on chromosome 6p21.1-21.33. Contains the
30 SAPK4 (MAPK p38delta) gene, and the alternatively spliced SAPK2 gene coding for CSaids binding protein CSBP2
and a MAPK p38beta LIKE protein. Contains ESTs, STSs and two predicted CpG islands, complete sequence//
2.1e-34:306:78//Z95152
R-Y79AA1001848//Sequence 11 from patent US 5449616//1.0:221:59//I14369
R-Y79AA1001866//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K23L20, complete sequence//
35 0.0089:527:58//AB016874
R-Y79AA1001874
R-Y79AA1001875//M.musculus mRNA for Rab7 protein//5.8e-45:170:92//X89650
R-Y79AA1001923//Human DNA sequence from clone 353H6 on chromosome Xq25-26.2. Contains the alterna-
40 tively spliced SMARCA1 gene for SW1/SNF related, matrix associated, actin dependent regulator of chromatin,
subfamily a, member 1 (SNF2L1) and a 40S Ribosomal Protein S26 pseudogene. Contains ESTs, STSs and GSSs,
complete sequence//1.0:138:68//AL022577
R-Y79AA1002027//Liverwort Marchantia polymorpha chloroplast genome DNA//0.71:153:67//X04465
R-Y79AA1002083//Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 172B20, WORKING
DRAFT SEQUENCE//1.0:178:64//AL022319
45 R-Y79AA1002089//Homo sapiens clone GS111G14, WORKING DRAFT SEQUENCE, 5 unordered pieces//6.3e-
49:377:81//AC005011
R-Y79AA1002093//Homo sapiens (clone SEL366) 17q YAC (368C7) RNA//4.0e-32:174:99//L77612
R-Y79AA1002103//CIT-HSP-2328I21.TR CIT-HSP Homo sapiens genomic clone 2328I21, genomic survey se-
quence//1.9e-44:245:96//AQ044502
50 R-Y79AA1002115//CITBI-E1-2514F10.TF CITBI-E1 Homo sapiens genomic clone 2514F10, genomic survey se-
quence//1.8e-24:249:78//AQ265752
R-Y79AA1002125//RPC111-15J6.TV RPCI-11 Homo sapiens genomic clone RPCI-11-15J6, genomic survey se-
quence//8.5e-21:147:91//B75354
R-Y79AA1002139
55 R-Y79AA1002204
R-nnnnnnnnnnnn//Human ankyrin G (ANK-3) mRNA, complete cds//0.040:319:59//U13616
R-Y79AA1002209//Psilotum nudum RT gene for reverse transcriptase (PT4)//0.99:106:65//X65415
R-Y79AA1002210

EP 1 074 617 A2

R-Y79AA1002211//H.sapiens NGAL gene//1.0:311:59//X99133
R-Y79AA1002220//Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from MAL4P1, WORKING
DRAFT SEQUENCE.//5.9e-07:535:57//AL034557
R-Y79AA1002229
5 R-Y79AA1002234//Homo sapiens mRNA for KIAA0692 protein, partial cds.//6.1e-117:564:98//AB014592
R-Y79AA1002246
R-Y79AA1002258//Homo sapiens mRNA for HIP3, complete cds.//1.3e-92:453:97//AB013384
R-Y79AA1002298//HS_3071_B2_E08_MR CIT Approved Human Genomic Sperm Library D Homo sapiens ge-
nomic clone Plate=3071 Col=16 Row=J, genomic survey sequence.//1.9e-56:384:87//AQ171331
10 R-Y79AA1002307//Homo sapiens mRNA for KIAA0634 protein, partial cds.//2.5e-108:403:99//AB014534
R-Y79AA1002311//Homo sapiens chromosome 10 clone CIT987SK-1173112 map 10q25, complete sequence.//
1.1e-07:368:61//AC005887
R-Y79AA1002351
R-Y79AA1002361//H.sapiens CpG island DNA genomic Mse1 fragment, clone 65b9, reverse read cp965b9.rt1a.//
15 0.57:59:79//Z62206
R-Y79AA1002399//Homo sapiens chromosome 17, clone hRPK.700_H_6, complete sequence.//2.0e-98:385:99//
AC005920
R-Y79AA1002407//Homo sapiens chromosome 17, clone hRPC.842_A_23, complete sequence.//5.4e-59:490:
76//AC004662
20 R-Y79AA1002416//Homo sapiens Xp22 GSHB-314C4 (Genome Systems Human BAC library) complete se-
quence.//6.3e-08:103:80//AC004087
R-Y79AA1002431
R-nnnnnnnnnnnn//Mouse transcriptional control element.//0.064:84:71//M17284
R-Y79AA1002472//Homo sapiens chromosome 19, BAC CTY-B-393i15 (BC301323), complete sequence.//1.6e-
25 103:525:96//AC006116
R-Y79AA1002482//Homo sapiens chromosome 18, clone hRPK.474_N_24, complete sequence.//9.7e-38:302:
83//AC006238
R-Y79AA1002487//P.falciparum complete gene map of plastid-like DNA. (IR-B).//0.23:266:61//X95276
30 Homology Search Result Data 4.
[0307] The result of the homology search of the Human Unigene using the clone sequence of 5'-end.
[0308] Data include
35 the name of clone,
title of the top hit data,
the P-value: the length of the compared sequence: identity (%), and
the Accession No. of the top hit data, as in the order separated by //.
40 **[0309]** Data are not shown for the clones in which the P-value was higher than 1.
F-HEMBA1000005//EST//4.3e-87:422:97//Hs.147830:AI222069
F-HEMBA1000012//Human endosome-associated protein (EEA1) mRNA, complete cds//0.82:170:64//Hs.2864:
L40157
45 F-HEMBA1000020//Homo sapiens beta 2 gene//4.0e-74:529:83//Hs.150244:U83668
F-HEMBA1000030//ESTs//1.1e-91:494:93//Hs.7958:W22078
F-HEMBA1000042//ESTs//3.5e-22:228:77//Hs.145406:AI253247
F-HEMBA1000046//ESTs, Highly similar to PRE-MRNA SPLICING FACTOR RNA HELICASE PRP22 [Saccharo-
myces cerevisiae]//0.00019:192:65//Hs.7900:W22411
50 F-HEMBA1000050//EST//0.81:74:72//Hs.156298:AI336759
F-HEMBA1000076//ESTs//0.11:252:62//Hs.131939:AI417910
F-HEMBA1000111//ESTs//8.5e-89:449:96//Hs.41105:N66734
F-HEMBA1000129//Human phosphatidylinositol 3-kinase catalytic subunit p110delta mRNA, complete cds//0.27:
342:61//Hs.14207:U86453
55 F-HEMBA1000141//Homo sapiens mRNA for KIAA0797 protein, partial cds//6.8e-169:791:98//Hs.27197:
AB018340
F-HEMBA1000150//Homo sapiens mRNA for KIAA0788 protein, partial cds//1.4e-37:243:88//Hs.2397:Z70200
F-HEMBA1000156//ESTs, Weakly similar to The KIAA0138 gene product is novel. [H.sapiens]//5.3e-80:383:98//

EP 1 074 617 A2

Hs.135552:AI215187
 F-HEMBA1000158//Homo sapiens OPA-containing protein mRNA, complete cds//2.1e-07:265:63//Hs.85313:AF071309
 F-HEMBA1000168//ESTs//6.1e-35:257:85//Hs.13533:H23079
 5 F-HEMBA1000180//ESTs, Moderately similar to RETROVIRUS-RELATED POL POLYPROTEIN [H.sapiens]//1.3e-18:111:96//Hs.163863:W28729
 F-HEMBA1000185//H.sapiens ERF-2 mRNA//1.0:125:68//Hs.78909:U07802
 F-HEMBA1000193//EST//1.5e-48:266:95//Hs.160642:AI240133
 F-HEMBA1000201//Human Ini1 mRNA, complete cds//6.5e-75:440:92//Hs.155626:U04847
 10 F-HEMBA1000213//ESTs//0.21:239:62//Hs.26838:AA527529
 F-HEMBA1000216//Homo sapiens clone 23698 mRNA sequence//1.1e-57:529:68//Hs.8136:U81984
 F-HEMBA1000227//Human RNA-binding protein CUG-BP/hNab50 (NAB50) mRNA, complete cds//1.3e-05:311:64//Hs.81248:U63289
 F-HEMBA1000231
 15 F-HEMBA1000243//EST//5.9e-52:359:85//Hs.141433:N23377
 F-HEMBA1000244//H.sapiens mRNA for cytokine inducible nuclear protein//0.0022:350:60//Hs.74019:X83703
 F-HEMBA1000251//ESTs//3.2e-84:443:95//Hs.21068:N47460
 F-HEMBA1000264//ESTs//0.76:227:61//Hs.5159:AA588562
 F-HEMBA1000280//EST//1.7e-12:149:75//Hs.103418:AA035568
 20 F-HEMBA1000282//ESTs//1.7e-16:164:79//Hs.123111:AA813186
 F-HEMBA1000288//ESTs//5.4e-06:154:68//Hs.54174:N64406
 F-HEMBA1000290//Human novel homeobox mRNA for a DNA binding protein//3.8e-07:412:61//Hs.37035:U07664
 F-HEMBA1000302//EST//1.2e-41:238:94//Hs.147245:AI206095
 F-HEMBA1000303
 25 F-HEMBA1000304//ESTs//3.5e-11:96:87//Hs.163057:AA728946
 F-HEMBA1000307//EST//7.7e-05:280:62//Hs.146462:AI124898
 F-HEMBA1000327//ESTs//5.3e-92:435:99//Hs.100605:AA305965
 F-HEMBA1000333//Human mRNA for KIAA0206 gene, partial cds//0.84:395:56//Hs.79299:D86961
 F-HEMBA1000338//ESTs, Moderately similar to novel stromal cell protein [M.musculus]//2.4e-38:317:80//Hs.99189:X84712
 30 F-HEMBA1000351//Human Line-1 repeat mRNA with 2 open reading frames//0.020:334:59//Hs.23094:M19503
 F-HEMBA1000355//Myosin, heavy polypeptide 11, smooth muscle//0.11:336:61//Hs.78344:AF001548
 F-HEMBA1000356//H.sapiens ERF-2 mRNA//0.031:317:59//Hs.78909:U07802
 F-HEMBA1000357//Human mRNA for KIAA0118 gene, partial cds//1.2e-50:441:78//Hs.154326:D42087
 35 F-HEMBA1000366//ESTs//0.025:56:87//Hs.141629:H74010
 F-HEMBA1000369//Homo sapiens PAC clone DJ0669B10 from 7q33-q35//0.99:433:58//Hs.159899:AC004853
 F-HEMBA1000376//Oxytocin receptor//3.4e-43:569:70//Hs.2820:X64878
 F-HEMBA1000387//ESTs//8.2e-104:535:94//Hs.78110:AA741320
 F-HEMBA1000390//Homo sapiens BAC clone RG119C02 from 7p15//2.3e-141:712:95//Hs.22900:AC004520
 40 F-HEMBA1000392//Homo sapiens clone 24619 mRNA sequence//1.7e-47:461:74//Hs.139088:AF070533
 F-HEMBA1000396//ESTs, Weakly similar to hypothetical protein [H.sapiens]//1.2e-26:351:70//Hs.138992:C14008
 F-HEMBA1000411//EST//2.8e-27:401:71//Hs.138719:N52915
 F-HEMBA1000418//ESTs//0.0094:375:61//Hs.40140:AI079253
 F-HEMBA1000422//EST//6.2e-23:225:78//Hs.132635:A1032875
 45 F-HEMBA1000428//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//7.6e-31:616:66//Hs.159897:AB007970
 F-HEMBA1000434//EST//0.0031:157:64//Hs.162328:AA559034
 F-HEMBA1000442//EST//1.0:201:61//Hs.162434:AA577398
 F-HEMBA1000456//Fanconi anemia complementation group C//0.58:362:59//Hs.37953:X66893
 50 F-HEMBA1000459//EST//9.2e-21:157:86//Hs.132635:A1032875
 F-HEMBA1000460//ESTs//2.9e-77:409:95//Hs.27135:W49590
 F-HEMBA1000464//ESTs//6.6e-17:365:65//Hs.150675:AA127853
 F-HEMBA1000469
 F-HEMBA1000488//Homo sapiens HIV-1 inducer of short transcripts binding protein (FBI1) mRNA, complete cds//0.15:253:58//Hs.104640:AF000561
 55 F-HEMBA1000490//Homo sapiens kinectin mRNA, complete cds//0.71:539:56//Hs.82709:Z22551
 F-HEMBA1000491//ESTs//2.0e-21:361:65//Hs.152453:AA864970
 F-HEMBA1000501//Homo sapiens tapasin (NGS-17) mRNA, complete cds//2.5e-39:312:77//Hs.5247:AF029750

EP 1 074 617 A2

F-HEMBA1000504//Homo sapiens mRNA for osteoblast specific factor 2 (OSF-2os)//1.3e-08:57:100//Hs.155095:
 D13666
 F-HEMBA1000505//Homo sapiens KE04p mRNA, complete cds//1.0:197:62//Hs.131962:AF064093
 F-HEMBA1000508//EST//0.67:156:60//Hs.162898:AA659646
 5 F-HEMBA1000518
 F-HEMBA1000519//EST//6.8e-52:300:91//Hs.149580:AI281881
 F-HEMBA1000520//ESTs, Weakly similar to coded for by C. elegans cDNA CEESB82F [C.elegans]//2.9e-16:132:
 84//Hs.155871:AA533783
 F-HEMBA1000523//ESTs, Highly similar to TESTIS-SPECIFIC PROTEIN PBS13 [Mus musculus]//2.1e-25:192:
 10 87//Hs.22383:R51067
 F-HEMBA1000531//ESTs, Weakly similar to heat shock protein [H.sapiens]//2.4e-57:288:97//Hs.116022:
 AA455706
 F-HEMBA1000534//Homo sapiens PYRIN (MEFV) mRNA, complete cds//2.8e-47:153:88//Hs.113283:AF018080
 F-HEMBA1000540//ESTs//8.6e-07:60:100//Hs.109755:AA180809
 15 F-HEMBA1000542//Human lysyl oxidase-like protein mRNA, complete cds//0.088:581:57//Hs.65436:U24389
 F-HEMBA1000545//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//7.8e-106:731:83//Hs.139107:
 K00629
 F-HEMBA1000555//Human mRNA for KIAA0242 gene, partial cds//0.75:283:58//Hs.77495:D87684
 F-HEMBA1000557//ESTs//3.9e-27:389:71//Hs.125087:AA495729
 20 F-HEMBA1000561//Homo sapiens mRNA for KIAA0760 protein, partial cds//3.8e-64:665:72//Hs.137168:
 AB018303
 F-HEMBA1000563//ESTs//3.8e-51:257:98//Hs.47122:AI338977
 F-HEMBA1000568//EST//0.12:270:61//Hs.134833 :AI091046
 F-HEMBA1000569//H.sapiens mRNA encoding GPI-anchored protein p137//3.8e-19:409:62//Hs.119283:Z48042
 25 F-HEMBA1000575//EST//0.060:156:64//Hs.126277:AA826681
 F-HEMBA1000588//ESTs, Weakly similar to weakly similar to myosin heavy chain [C.elegans]//7.7e-41:217:96//
 Hs.55084:AA479162
 F-HEMBA1000591//Homo sapiens mRNA for E1B-55kDa-associated protein//2.3e-44:228:97//Hs.155218:
 AJ007509
 30 F-HEMBA1000592//ESTs, Weakly similar to sorting nexin 1 [H.sapiens]//1.7e-27:463:65//Hs.13794:AA203241
 F-HEMBA1000594//Human clone 230971 defective mariner transposon Hsmar2 mRNA sequence//4.0e-68:574:
 79//Hs.159176:U92019
 F-HEMBA1000604//ESTs//3.3e-21:158:74//Hs.142924:AI092535
 F-HEMBA1000608//Homo sapiens mRNA for KIAA0456 protein, partial cds//3.7e-120:561:99//Hs.5003:AB007925
 35 F-HEMBA1000622//Homo sapiens DEC-205 mRNA, complete cds//5.2e-34:592:68//Hs.153563:AF011333
 F-HEMBA1000636//ESTs, Weakly similar to 50S RIBOSOMAL PROTEIN L20 [E.coli]//7.4e-22:166:84//Hs.26252:
 AA643235
 F-HEMBA1000637//Homo sapiens mRNA for KIAA0690 protein, partial cds//2.1e-138:639:99//Hs.60103:
 AB014590
 40 F-HEMBA1000655//ESTs//1.2e-54:503:77//Hs.140864:AA176174
 F-HEMBA1000657//Mucin 1, transmembrane//0.99:219:61//Hs.89603:J05582
 F-HEMBA1000662//ESTs//2.2e-52:257:99//Hs.63243:AI123912
 F-HEMBA1000673//H.sapiens mRNA for translin associated protein X//1.7e-47:366:79//Hs.96247:X95073
 F-HEMBA1000682//Oxytocin receptor//4.7e-59:673:72//Hs.2820:X64878
 45 F-HEMBA1000686
 F-HEMBA1000702
 F-HEMBA1000705//EST//0.047:363:60//Hs.136379:AA521309
 F-HEMBA1000719//ESTs//2.7e-68:333:98//Hs.146195:AI039850
 F-HEMBA1000722//ESTs//0.49:283:60//Hs.21108:N92630
 50 F-HEMBA1000726//EST//1.1e-45:183:87//Hs.149580:AI281881
 F-HEMBA1000727//ESTs//4.8e-95:442:100//Hs.22119:AA885491
 F-HEMBA1000747
 F-HEMBA1000749//ESTs//8.0e-14:108:77//Hs.154892:AI091568
 F-HEMBA1000752//EST//1.3e-25:344:69//Hs.160992:H52716
 55 F-HEMBA1000769//ESTs//0.0018:206:63//Hs.153268:AA887239
 F-HEMBA1000773//ESTs//0.56:336:58//Hs.105964:N35803
 F-HEMBA1000774//EST//4.0e-38:312:79//Hs.162197:AA535216
 F-HEMBA1000791//ESTs//2.8e-87:413:99//Hs.112050:AA431300

F-HEMBA1000817//ESTs//5.6e-124:617:96//Hs.101366:AA167536
 F-HEMBA1000822//ESTs//0.94:347:58//Hs.23905:AA928542
 F-HEMBA1000827//EST//0.064:133:60//Hs.138738:N58367
 F-HEMBA1000843
 5 F-HEMBA1000851//Fragile X mental retardation 1//0.014:219:62//Hs.89764:X69962
 F-HEMBA1000852//Arylsulfatase D//6.7e-38:244:75//Hs.43887:X83572
 F-HEMBA1000867
 F-HEMBA1000869//ESTs//5.1 e-33:166:77//Hs.141186:R99609
 F-HEMBA1000870//EST//0.032:130:66//Hs.157351:AI367237
 10 F-HEMBA1000872//ESTs//2.4e-20:134:92//Hs.155982:AA406047
 F-HEMBA1000876//EST//5.3e-20:233:72//Hs.124339:AA829660
 F-HEMBA1000908//ESTs//5.4e-28:219:84//Hs.12247:AI203154
 F-HEMBA1000910//Human DNA sequence from clone 14O9 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-
 Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene
 15 and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and ge-
 nomic marker DXS8032//2.8e-11:309:65//Hs.4943:Z98046
 F-HEMBA1000918//ESTs//0.11:234:59//Hs.96499:AA252537
 F-HEMBA1000919//Human mRNA for histone H1x, complete cds//0.18:221:64//Hs.109804:D64142
 F-HEMBA1000934//Homo sapiens mRNA for KIAA0547 protein, complete cds//3.8e-09:360:62//Hs.36850:
 20 AB011119
 F-HEMBA1000942//ESTs, Highly similar to PMS4 homolog mismatch repair protein [H.sapiens]//9.4e-10:77:93//
 Hs.111445:H00596
 F-HEMBA1000943//ESTs, Highly similar to ZINC FINGER PROTEIN 10 [Homo sapiens]//0.0039:54:92//Hs.58338:
 AA609476
 25 F-HEMBA1000946//Phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide-synthetase, phos-
 phoribosylaminoimidazole synthetase//0.93:132:66//Hs.82285:X54199
 F-HEMBA1000960//ESTs, Moderately similar to !!!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens]//
 0.080:128:71//Hs.118972:AA761369
 F-HEMBA1000968//Human transposon-like element mRNA//2.8e-95:352:87//Hs.84775:M23161
 30 F-HEMBA1000971//ESTs//8.4e-88:417:98//Hs.128631:AI127903
 F-HEMBA1000972//EST//0.75:134:64//Hs.117228:AA682775
 F-HEMBA1000974//ESTs//1.3e-103:497:98//Hs.126786:U74314
 F-HEMBA1000975//Homo sapiens diacylglycerol kinase iota (DGKi) mRNA, complete cds//1.3e-05:424:59//Hs.
 159564:AF061936
 35 F-HEMBA1000985//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0492//0.0036:389:60//Hs.
 127338:AB007961
 F-HEMBA1000986//ESTs//0.00025:272:64//Hs.12364:H09132
 F-HEMBA1000991//Homo sapiens mRNA for Hrs, complete cds//3.9e-24:193:84//Hs.24756:U43895
 F-HEMBA1001007//EST//0.96:70:71//Hs.163258:AA828835
 40 F-HEMBA1001008//Human G protein-coupled receptor (STRL22) mRNA, complete cds//4.9e-43:472:74//Hs.
 46468:U45984
 F-HEMBA1001009//Immunoglobulin mu//0.18:367:59//Hs.75758:X58529
 F-HEMBA1001017//Homo sapiens mRNA for KIAA0468 protein, complete cds//1.4e-140:661:98//Hs.158287:
 AB007937
 45 F-HEMBA1001019//EST//4.1e-14:251:68//Hs.148769:AI239572
 F-HEMBA1001020//Von Hippel-Lindau syndrome//2.2e-28:253:69//Hs.78160:AF010238
 F-HEMBA1001022
 F-HEMBA1001024//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//6.8e-28:376:72//Hs.
 159897:AB007970
 50 F-HEMBA1001026//Homo sapiens klotho mRNA, complete cds//1.3e-05:745:57//Hs.94592:AB005142
 F-HEMBA1001043//ESTs//2.1e-28:448:67//Hs.112469:AA598515
 F-HEMBA1001051//EST//3.1e-48:310:87//Hs.149580:AI281881
 F-HEMBA1001052//EST//0.94:149:67//Hs.31216:AI017971
 F-HEMBA1001059//N-ACETYL GALACTOSAMINE-6-SULFATASE PRECURSOR//4.6e-165:777:98//Hs.159479:
 55 U06088
 F-HEMBA1001060//ESTs//6.8e-14:150:78//Hs.24821:AA044813
 F-HEMBA1001071//Alpha-1 type 3 collagen//3.5e-32:181:96//Hs.119571:X14420
 F-HEMBA1001077//ESTs, Moderately similar to transcription intermediary factor 1 [H.sapiens]//1.1e-98:487:97//

Hs.147802:R71297
 F-HEMBA1001080//Human N-type calcium channel alpha-1 subunit mRNA, complete cds//0.013:385:58//Hs.69949:M94172
 F-HEMBA1001085//Human hSIAH2 mRNA, complete cds//0.55:338:59//Hs.20191:U76248
 5 F-HEMBA1001088//Human PINCH protein mRNA, complete cds//7.3e-73:303:78//Hs.83987:U09284
 F-HEMBA1001094//Interleukin 8//0.092:530:58//Hs.624:M17017
 F-HEMBA1001099
 F-HEMBA1001109//Homo sapiens tapasin (NGS-17) mRNA, complete cds//2.4-61:341:85//Hs.5247:AF029750
 F-HEMBA1001121//EST//7.3e-13:265:64//Hs.142423:AA412497
 10 F-HEMBA1001122//Homo sapiens mRNA for KIAA0471 protein, complete cds//0.066:649:56//Hs.5347:AB007940
 F-HEMBA1001123//Homo sapiens mRNA for KIAA0448 protein, complete cds//1.5e-10:231:68//Hs.27349:AB007917
 F-HEMBA1001133//EST//0.50:222:63//Hs.131018:AI015747
 F-HEMBA1001137//Homo sapiens mRNA for KIAA0798 protein, complete cds//2.2e-73:527:77//Hs.159277:AB018341
 15 F-HEMBA1001140//Homo sapiens mRNA for KIAA0682 protein, complete cds//0.020:141:65//Hs.7482:AB014582
 F-HEMBA1001172//EST//0.77:158:60//Hs.158894:AI378457
 F-HEMBA1041174//ESTs//1.4e-63:363:92//Hs.132798:AA922226
 F-HEMBA1001197//ESTs, Weakly similar to Rap2 interacting protein 8 [M.musculus]//5.0e-54:555:71//Hs.55165:AA573499
 20 F-HEMBA1001208//EST//6.2e-26:213:77//Hs.146964:AI183463
 P-HEMBA1001213//Human mRNA for KIAA0013 gene, complete cds//0.026:569:57//Hs.48824:D87717
 F-HEMBA1001226//ESTs//1.9e-11:407:65//Hs.157977:AI369694
 F-HEMBA1001235//ESTs//0.0042:161:63//Hs.155170:AA167748
 25 F-HEMBA1001247//ESTs//1.2e-91:429:99//Hs.143304:AI084058
 F-HEMBA1001257//Human zinc finger protein (MAZ) mRNA//0.017:330:62//Hs.7647:M94046
 F-HEMBA1001265
 F-HEMBA1001281
 F-HEMBA1001286//Natriuretic peptide precursor B//0.76:163:63//Hs.937:AL021155
 30 F-HEMBA1001289//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-69G12//5.1e-30:530:64//Hs.154050:AC004131
 F-HEMBA1001294//Homo sapiens mRNA for matrilin-3//0.00023:657:56//Hs.119534:AJ224741
 F-HEMBA1001299//Small inducible cytokine A5 (RANTES)//2.2e-27:271:77//Hs.155464:AF088219
 F-HEMBA1001302//ESTs, Moderately similar to Cab45a [M.musculus]//3.3e-53:272:97//Hs.154563:AI129590
 35 F-HEMBA1001303//ESTs, Weakly similar to RNA splicing-related protein [R.norvegicus]//2.6e-66:241:99//Hs.120847:AA731201
 F-HEMBA1001310//ESTs//2.0e-21:133:93//Hs.159116:W55873
 F-HEMBA1001319//Homo sapiens mRNA for KIAA0758 protein, partial cds//0.23:562:58//Hs.22039:AB018301
 F-HEMBA1001323//Wingless-type MMTV integration site 5A, human homolog//2.5e-31:165:99//Hs.152213:L20861
 40 F-HEMBA1001326//ESTs, Highly similar to HYPOTHETICAL 55.1 KD PROTEIN IN FAB1-PES4 INTERGENIC REGION [Saccharomyces cerevisiae]//8.9e-08:185:68//Hs.108734:AI073427
 F-HEMBA1001327//ESTs//0.085:337:60//Hs.114157:AA703013
 F-HEMBA1001330//EST//0.0018:225:63//Hs.127987:AA970569
 45 F-HEMBA1001351//Homo sapiens VAMP-associated protein of 33 kDa (VAP-33) mRNA, complete cds//3.6e-105:516:97//Hs.9006:AF057358
 F-HEMBA1001361//ESTs//1.2e-62:317:97//Hs.6639:R39794
 F-HEMBA1001375//ESTs//0.93:180:60//Hs.148425:AI198074
 F-HEMBA1001377//ESTs//9.2e-87:414:99//Hs.48469:N62156
 50 F-HEMBA1001383//ESTs//0.0023:336:60//Hs.140622:AA844353
 F-HEMBA1001387//ESTs, Highly similar to RAS-LIKE PROTEIN TC10 [Homo sapiens]//1.0e-132:643:97//Hs.124217:AA020848
 F-HEMBA1001388
 F-HEMBA1001391//ESTs//5.6e-32:191:93//Hs.71628:N41660
 55 F-HEMBA1001398
 F-HEMBA1001405//EST//1.0:135:63//Hs.146833:AI151117
 F-HEMBA1001407//ESTs//10.53:390:57//Hs.150447:AI017798
 F-HEMBA1001411//EST//8.8e-06:270:62//Hs.145386:AI253108

EP 1 074 617 A2

F-HEMBA1001413
 F-HEMBA1001415//EST//1.3e-12:176:75//Hs.133172:AI051605
 F-HEMBA1001432//RING3 PROTEIN//0.57:345:59//Hs.75243:D42040
 F-HEMBA1001433//ESTs//1.3e-21:333:69//Hs.131648:AI025726
 5 F-HEMBA1001435//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//1.2e-74:469:80//Hs.1361:M55053
 F-HEMBA1001442//EST//0.29:181:64//Hs.116883:AA663031
 F-HEMBA1001446//ESTs, Weakly similar to Rap2 interacting protein 8 [M.musculus]//6.8e-47:550:71//Hs.55165:AA573499
 10 F-HEMBA1001450//Homo sapiens GTPase-activating protein (SIPA1) mRNA, complete cds//0.82:312:58//Hs.7019:AB005666
 F-HEMBA1001454//ESTs//1.2e-46:297:80//Hs.152395:AA533107
 F-HEMBA1001455//ESTs//7.3e-103:502:97//Hs.112860:AA442412
 F-HEMBA1001463//Human mRNA for KIAA0392 gene, partial cds//8.7e-51:323:88//Hs.40100:AB002390
 15 F-HEMBA1001476//Homo sapiens mRNA for KIAA0572 protein, partial cds//6.2e-104:489:99//Hs.14409:AB011144
 F-HEMBA1001478//EST//0.013:205:61//Hs.157309:AI365451
 F-HEMBA1001497//Small inducible cytokine A5 (RANTES)//5.9e-45:307:84//Hs.155464:AF088219
 F-HEMBA1001510//H.sapiens mRNA for G13 protein//2.1e-71:405:92//Hs.42853:X98054
 20 F-HEMBA1001515//Human Line-1 repeat mRNA with 2 open reading frames//4.5e-105:773:82//Hs.23094:M19503
 F-HEMBA1001517//EST//3.6e-09:271:65//Hs.162347:AA564902
 F-HEMBA1001522//ESTs//4.3e-13:85:95//Hs.126707:AI376869
 F-HEMBA1001526
 25 F-HEMBA1001533//EST//1.0:75:73//Hs.145360:AI252476
 F-HEMBA1001557//EST//3.5e-13:261:64//Hs.161496:N66580
 F-HEMBA1001566//EST//3.7e-07:354:64//Hs.43830:N26652
 F-HEMBA1001569//Homo sapiens mRNA for vesicle associated membrane protein 2 (VAMP2)//8.0e-68:338:97//Hs.91589:M36205
 30 F-HEMBA1001570//ESTs//1.5e-47:369:82//Hs.107657:AA126814
 F-HEMBA1001579//Homo sapiens mRNA for NS1-binding protein (NS1-BP)//7.0e-175:678:99//Hs.159597:AJ012449
 F-HEMBA1001581//ESTs//4.4e-07:237:67//Hs.152304:AA605184
 F-HEMBA1001585//ESTs//1.1e-11:81:100//Hs.16364:AI357228
 35 F-HEMBA1001589//Human mRNA for KIAA0166 gene, complete cds//0.82:210:64//Hs.115778:D79988
 F-HEMBA1001595//Human mRNA for KIAA0128 gene, partial cds//2.6e-110:855:78//Hs.90998:D50918
 F-HEMBA1001608//EST//1.0:201:60//Hs.136747:AA749210
 F-HEMBA1001620//ESTs//1.5e-39:211:98//Hs.131063:AI016400
 F-HEMBA1001635//ESTs//4.0e-33:168:100//Hs.122655:AI361870
 40 F-HEMBA1001636//ESTs, Moderately similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]//0.038:198:64//Hs.34579:AI338536
 F-HEMBA1001640//ESTs//1.1e-24:315:71//Hs.34114:AA776899
 F-HEMBA1001647//Human plectin (PLEC1) mRNA, complete cds//0.00049:629:61//Hs.79706:U53204
 F-HEMBA1001651//EST//3.6e-07:285:63//Hs.132558:AA948560
 45 F-HEMBA1001655//ESTs//1.4e-95:497:96//Hs.59563:AA203283
 F-HEMBA1001658//EST//0.18:251:59//Hs.117724:H47121
 F-HEMBA1001661
 F-HEMBA1001672//Homo sapiens methyl-CpG binding protein MBD3 (MBD3) mRNA, complete cds//7.9e-146:669:99//Hs.107254:AC005943
 50 F-HEMBA1001675//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//2.0e-57:447:79//Hs.158095:AB007953
 F-HEMBA1001678//ESTs//4.0e-50:360:83//Hs.146811:AA410788
 F-HEMBA1001681//EST//1.0:165:58//Hs.136790:AA776060
 F-HEMBA1001702//EST//0.015:312:61//Hs.162839:AA648760
 55 F-HEMBA1001709//EST//0.85:131:65//Hs.131451:AI023995
 F-HEMBA1001711//ESTs//0.084:425:56//Hs.125346:AI302836
 F-HEMBA1001712//EST//0.26:214:59//Hs.159088:AI383114
 F-HEMBA1001714//ESTs, Highly similar to ATPASE INHIBITOR, MITOCHONDRIAL PRECURSOR [Rattus nor-

EP 1 074 617 A2

vegicus//3.0e-30:195:92//Hs.132948:AA194452
F-HEMBA1001718//EST//0.0044:275:60//Hs.125969:AA889554
F-HEMBA1001723//INTERLEUKIN ENHANCER-BINDING FACTOR//0.24:501:57//Hs.101524:U58197
5 F-HEMBA1001731//EST//1.2e-06:261:63//Hs.132331:AI028363
F-HEMBA1001734//ESTs//0.018:177:63//Hs.129631:AI000415
F-HEMBA1001744//EST//8.7e-77 :420:92//Hs.133226:AI052250
F-HEMBA1001745//Homo sapiens mRNA for TSC403 protein, complete cds//0.37:300:62//Hs.10887:AB013924
F-HEMBA1001746//ESTs//0.31:168:66//Hs.27237:N68328
10 F-HEMBA1001761//ESTs, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens]//0.76:218:60//Hs.135553:
N41598
F-HEMBA1001781//Homo sapiens chromosome 19, cosmid R30953//0.98:219:60//Hs.98776:AC005622
F-HEMBA1001784//Homo sapiens mRNA for KJAA0474 protein, complete cds//6.4e-09:265:67//Hs.158232:
AB007943
F-HEMBA1001791
15 F-HEMBA1001800//EST//3.1e-41:331:81//Hs.127142:AA937570
F-HEMBA1001803//EST//0.0062:269:59//Hs.49075:N64817
F-HEMBA1001804//Human POU domain protein (Brn-3b) mRNA, complete cds//1.8e-07:439:59//Hs.266:U06233
F-HEMBA1001808//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0500//2.-5e-175:809:98//Hs.
118164:AB007969
20 F-HEMBA1001809//ESTs//6.0e-101:497:97//Hs.155127:AA625305
F-HEMBA1001815
F-HEMBA1001819//Human kruppel-related zinc finger protein (ZNF184) mRNA, partial cds//4.9e-80:842:70//Hs.
158174:U66561
F-HEMBA1001820//EST//0.057:214:62//Hs.148715:A1223845
25 F-HEMBA1001822//Homo sapiens intersectin short form mRNA, complete cds//6.7e-42:510:65//Hs.66392:
AF064244
F-HEMBA1001824//Homo sapiens OPA-containing protein mRNA, complete cds//5.2e-13:253:68//Hs.85313:
AF071309
F-HEMBA1001835//Human mRNA for KIAA0235 gene, partial cds//0.96:288:60//Hs.6151:D87078
30 F-HEMBA1001844//ESTs//1.1e-29:197:80//Hs.155243:N70293
F-HEMBA1001847//Human mRNA for KIAA0326 gene, partial cds//2.0e-23:379:68//Hs.6833:AB002324
F-HEMBA1001861//Homo sapiens mRNA for KIAA0617 protein, complete cds//2.8e-185:865:98//Hs.78946:
AB014517
F-HEMBA1001864//EST//0.27:145:63//Hs.162585:AA593121
35 F-HEMBA1001866//ESTs, Weakly similar to UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE
PRECURSOR [D.melanogaster]//3.2e-39:293:84//Hs.152332:AI141922
F-HEMBA1001869//ESTs, Weakly similar to ASH1 [D.melanogaster]//8.1e-70:367:95//Hs.15423:T84036
F-HEMBA1001888//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//5.4e-86:835:76//Hs.
158095:AB007953
40 F-HEMBA1001896
F-HEMBA1001910//Human calpain-like protease (htra-3) mRNA, complete cds//0.43:114:71//Hs.6133:U94346
F-HEMBA1001912//ESTs//4.1e-79:398:97//Hs.26660:AI312633
F-HEMBA1001913//Homo sapiens TNF-alpha stimulated ABC protein (ABC50) mRNA, complete cds//0.00031:
200:62//Hs.9573:AF027302
45 F-HEMBA1001915//EST//0.082:128:64//Hs.126542:AA916511
F-HEMBA1001918//Homo sapiens SEC63 (SEC63) mRNA, complete cds//0.46:374:59//Hs.31575:AF100141
F-HEMBA1001921//Homo sapiens germinal center kinase related protein kinase mRNA, complete cds//6.7e-186:
855:99//Hs.154934:AF000145
F-HEMBA1001939//ESTs//4.9e-34:342:77//Hs.132711:AI377295
50 F-HEMBA1001940//ESTs//8.6e-15:149:81//Hs.141129:R86221
F-HEMBA1001942//ESTs//0.0014:271:62//Hs.124514:AI219882
F-HEMBA1001945//EST//0.98:142:64//Hs.161540:N85943
F-HEMBA1001950//ESTs//0.99:188:64//Hs.28639:R78360
F-HEMBA1001960//Homo sapiens methyl-CpG binding protein MBD2 (MBD2) mRNA, complete cds//0.30:85:69//
55 Hs.25674:AF072242
F-HEMBA1001962//ESTs//0.0012:289:59//Hs.125492:AA938930
F-HEMBA1001964//EST//0.73:153:64//Hs.112161:AA477708
F-HEMBA1001967//Human DNA sequence from clone 341E18 on chromosome 6p11.2-12.3. Contains a Serine/

Threonine Protein Kinase gene (presumptive isolog of a Rat gene) and a novel alternatively spliced gene. Contains a putative CpG island, ESTs and GSSs//4.6e-156:720:99//Hs.11050:AL031178
 F-HEMBA1001979//ESTs//0.86:184:67//Hs.77208:AA044732
 F-HEMBA1001987//ESTs, Moderately similar to hTAFII68 [H.sapiens]//2.8e-29:151:100//Hs.124106:AA948100
 5 F-HEMBA1001991//Homo sapiens clone 24540 mRNA sequence//0.049:121:70//Hs.153529:AF070581
 F-HEMBA1002003//Keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris)//9.8e-09:294:63//Hs.99936:X14487
 F-HEMBA1002008//ESTs//0.12:299:59//Hs.132803:W63582
 F-HEMBA1002018//PROTEIN-TYROSINE PHOSPHATASE ZETA PRECURSOR//0.98:212:64//Hs.78867:M93426
 10 F-HEMBA1002022//Human p37NB mRNA, complete cds//0.00044:58:96//Hs.155545:U32907
 F-HEMBA1002035//EST//6.4e-07:145:68//Hs.135336:AI049827
 F-HEMBA1002039//EST//0.99:79:67//Hs.98451:AA426057
 F-HEMBA1002049//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.5e-26:223:81//Hs.105292:AA504776
 15 F-HEMBA1002084
 F-HEMBA1002092
 F-HEMBA1002100//Homo sapiens zinc finger homeodomain protein (ATBF1-A) mRNA, complete cds//5.6e-21:124:96//Hs.101842:L32832
 20 F-HEMBA1002102//ESTs, Highly similar to ANKYRIN [Mus musculus]//5.9e-09:434:62//Hs.135102:AI190276
 F-HEMBA1002113//ESTs//0.049:255:63//Hs.106137:AI129973
 F-HEMBA1002119
 F-HEMBA1002125//H.sapiens ERF-2 mRNA//0.026:341:59//Hs.78909:U07802
 F-HEMBA1002139//ESTs//0.082:309:60//Hs.36383:W52393
 25 F-HEMBA1002144//Human mRNA for KIAA0227 gene, partial cds//5.6e-06:601:60//Hs.79170:D86980
 F-HEMBA1002150//Homo sapiens mRNA for KIAA0720 protein, partial cds//5.6e-06:353:62//Hs.23741:AB018263
 F-HEMBA1002151
 F-HEMBA1002153//EST//10.014:328:60//Hs.149115:AI244695
 F-HEMBA1002160//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0507//5.6e-49:303:79//Hs.158241:AB007976
 30 F-HEMBA1002161//Myosin, heavy polypeptide 7, cardiac muscle, beta//1.2e-40:616:67//Hs.929:M57965
 F-HEMBA1002162//Homo sapiens mRNA for XPR2 protein//3.4e-48:749:67//Hs.44766:AJ007590
 F-HEMBA1002166//Small inducible cytokine A5 (RANTES)//2.1e-60:485:79//Hs.155464:AF088219
 F-HEMBA1002177//Homo sapiens yotiao mRNA, complete cds//2.4e-19:151:86//Hs.114808:AF026245
 35 F-HEMBA1002185//EST//0.00011:233:65//Hs.125552:AA884141
 F-HEMBA1002189//EST//5.1 e-24:193:81//Hs.163161:AA778363
 F-HEMBA1002191//Homo sapiens mRNA for KIAA0689 protein, partial cds//0.27:382:59//Hs.21992:AB014589
 F-HEMBA1002199//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//1.2e-14:199:72//Hs.159897:AB007970
 40 F-HEMBA1002204//ESTs//0.46:312:59//Hs.61210:AA024696
 F-HEMBA1002212//ESTs//1.0:191:63//Hs.149752:AI285767
 F-HEMBA1002215//ESTs, Highly similar to TESTIN 2 PRECURSOR [Mus musculus]//1.6e-47:251:96//Hs.59906:AA001281
 F-HEMBA1002226//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//2.4e-57:375:71//Hs.67619:AB007957
 45 F-HEMBA1002229//Homo sapiens KIAA0395 mRNA, partial cds//7.9e-47:377:80//Hs.43681:AL022394
 F-HEMBA1002237//EST//0.044:1 37:66//Hs.144448:AA812455
 F-HEMBA1002241
 F-HEMBA1002253//EST//2.2e-41:219:96//Hs.137065:AA888887
 50 F-HEMBA1002257//Homo sapiens diacylglycerol kinase iota (DGKi) mRNA, complete cds//1.1e-152:731:97//Hs.159564:AF061936
 F-HEMBA1002265//ESTs//5.4e-11:337:65//Hs.112639:AI125420
 F-HEMBA1002267//Homo sapiens GDP-L-fucose pyrophosphorylase (GFPP) mRNA, complete cds//1.0:395:60//Hs.150926:AF017445
 55 F-HEMBA1002270//ESTs//2.5e-87:504:89//Hs.124440:H95404
 F-HEMBA1002321//Homo sapiens oxidized low-density lipoprotein receptor mRNA, complete cds//0.17:338:60//Hs.77729:AB010710
 F-HEMBA1002328//ESTs//7.9e-103:480:99//Hs.123318:AI201982

- F-HEMBA1002337//Human mRNA for KIAA0118 gene, partial cds//0.93:220:61//Hs.154326:D42087
 F-HEMBA1002341//Homo sapiens mRNA for KIAA0771 protein, partial cds//7.8e-187:872:98//Hs.6162:AB018314
 F-HEMBA10023481//EST//1.0e-19:285:70//Ms.121860:AA776692
 F-HEMBA1002349//EST//0.011:385:59//Hs.148533:AI200996
 5 F-HEMBA1002363//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds//2.4e-189:872:99//Hs.119023:AF092563
 F-HEMBA1002381//EST//7.9e-34:236:77//Hs.162197:AA535216
 F-HEMBA1002389//ESTs//4.3e-59:342:92//Hs.133391:AA535144
 F-HEMBA1002417//Homo sapiens chromosome 19, cosmid R28784//2.2e-159:775:97//Hs.25527:AC005954
 10 F-HEMBA1002419//EST, Moderately similar to ROD CGMP-SPECIFIC 3',5'-CYCLIC PHOSPHODIESTERASE BETA-SUBUNIT [H.sapiens]/1.0:144:65//Hs.136096:W27141
 F-HEMBA1002430//Human clone 23695 mRNA sequence//2.7e-06:563:59//Hs.90798:U79289
 F-HEMBA1002439//EST, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [H.sapiens]/0.11:111:67//Hs.162154:AA528561
 15 F-HEMBA1002458//ESTs, Weakly similar to hypothetical protein B, 6.8K [H.sapiens]/1.3e-71:346:98//Hs.136121:W26490
 F-HEMBA1002460//ESTs//2.1e-94:484:96//Hs.106441:R53160
 F-HEMBA1002462//Homo sapiens N-methyl-D-aspartate receptor 2D subunit precursor (NMDAR2D) mRNA, complete cds//0.00024:240:64//Hs.113286:U77783
 20 F-HEMBA1002469//Human mRNA for KIAA0122 gene, partial cds//1.3e-109:603:92//Hs.154583:D50912
 F-HEMBA1002475//RYANODINE RECEPTOR, SKELETAL MUSCLE//0.025:261:63//Hs.89631:U48508
 F-HEMBA1002477//Homo sapiens mRNA for KIAA0561 protein, partial cds//2.8e-45:331:83//Hs.6189:AB011133
 F-HEMBA1002486//EST//0.00039:174:67//Hs.96680:AA303235
 F-HEMBA1002495
 25 F-HEMBA1002498//ESTs//1.2e-91:460:97//Hs.118327:W79161
 F-HEMBA1002503//H.sapiens mRNA for MACH-alpha-2 protein//4.8e-13:164:74//Hs.19949:X98173
 F-HEMBA1002508//Homo sapiens PYRIN (MEFV) mRNA, complete cds//6.1e-79:460:83//Hs.113283:AF018080
 F-HEMBA1002513//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//9.0e-159:738:98//Hs.6764:AJ011972
 30 F-HEMBA1002515//ESTs//3.6e-08:185:69//Hs.118701:AA420795
 F-HEMBA1002538//ESTs//0.97:68:73//Hs.134672:AI087951
 F-HEMBA1002542//Homo sapiens mRNA for chemokine LEC precursor, complete cds//6.1e-46:238:87//Hs.10458:AF088219
 F-HEMBA1002547//Homo sapiens agrin precursor mRNA, partial cds//1.1e-138:655:98//Hs.68900:AF016903
 35 F-HEMBA1002552//Human Hep27 protein mRNA, complete cds//2.8e-08:173:68//Hs.102137:U31875
 F-HEMBA1002555//Homo sapiens mRNA for APC 2 protein, complete cds//0.00020:603:57//Hs.20912:AB012162
 F-HEMBA1002558//ESTs//6.0e-25:262:77//Hs.136304:AA431205
 F-HEMBA1002561//Human clone 23574 mRNA sequence//4.7e-17:268:72//Hs.79385:U90905
 F-HEMBA1002569//Homo sapiens protein associated with Myc mRNA, complete cds//4.3e-142:457:99//Hs.151411:AF075587
 40 F-HEMBA1002583//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds//2.8e-30:156:100//Hs.32170:AB015132
 F-HEMBA1002590//ESTs//1.0e-30:277:77//Hs.139158:AA226159
 F-HEMBA1002592//ESTs//2.4e-20:233:75//Hs.159329:AI378363
 45 F-HEMBA1002609//Homo sapiens mRNA for KIAA0597 protein, partial cds//1.4e-176:820:99//Hs.20141:AB011169
 F-HEMBA1002621//EST//0.99:208:60//Hs.159127:AI384013
 F-HEMBA1002624//Homo sapiens mRNA for KIAA0808 protein, complete cds//9.2e-189:632:97//Hs.91338:AB018351
 50 F-HEMBA1002628//Human mRNA for KIAA0336 gene, complete cds//0.079:231:65//Hs.125129:AB002334
 F-HEMBA1002629//Human density enhanced phosphatase 1 mRNA, complete cds//1.3e-07:473:61//Hs.1177:U10886
 F-HEMBA1002645//ESTs//2.6e-32:209:88//Hs.141323:N80390
 F-HEMBA1002651
 55 F-HEMBA1002659//Human vascular endothelial growth factor related protein VRP mRNA, complete cds//0.74:223:60//Hs.79141:U43142
 F-HEMBA1002661//Human Line-1 repeat mRNA with 2 open reading frames//1.4e-122:781:85//Hs.23094:M19503

EP 1 074 617 A2

F-HEMBA1002666//ESTs//0.39:117:65//Hs.3794:T08497
 F-HEMBA1002678//EST//0.0081:148:64//Hs.156768:AI351368
 F-HEMBA1002679//Cyclic nucleotide gated channel (photoreceptor), cGMP gated 1 (alpha)//0.00096:418:61//Hs.1323:S42457
 5 F-HEMBA1002688//Homo sapiens hyperpolarization-activated channel 1 (IH1) mRNA, partial cds//1.8e-11:541:601//Hs.124161:AF065164
 F-HEMBA10026961//Homo sapiens DNA from chromosome 19, cosmid R29144//1.9e-06:345:61//Hs.155647:AC004221
 F-HEMBA1002703//Homo sapiens mRNA for KIAA0455 protein, complete cds//6.0e-12:327:62//Hs.13245:AB007924
 10 F-HEMBA1002712
 F-HEMBA1002716//EST//1.2e-56:284:97//Hs.131329:AA922800
 F-HEMBA1002728//Homo sapiens mRNA for KIAA0621 protein, partial cds//3.7e-127:614:97//Hs.132942:AB014521
 15 F-HEMBA1002730//Homo sapiens microsomal glutathione S-transferase 3 (MGST3) mRNA, complete cds//0.21:157:66//Hs.111811:AB007867
 F-HEMBA1002742//EST//0.97:138:60//Hs.160545:71596
 F-HEMBA1002746//Human HOX4C mRNA for a homeobox protein//0.72:347:58//Hs.74061:X59372
 F-HEMBA1002748//ESTs, Weakly similar to C27H6.5 [C.elegans]//0.24:83:74//Hs.40806:AA018786
 20 F-HEMBA1002750//ESTs//5.8e-37:185:76//Hs.140577:AA827817
 F-HEMBA1002768//Homo sapiens mRNA for KIAA0554 protein, partial cds//2.9e-178:834:98//Hs.74750:AB011126
 F-HEMBA1002770//ESTs, Highly similar to TIP120 [R.norvegicus]//8.0e-98:492:96//Hs.11833:AI299947
 F-HEMBA1002777//Homo sapiens prostate apoptosis response protein par-4 mRNA, complete cds//3.9e-05:528:59//Hs.128208:U63809
 25 F-HEMBA1002779//ESTs//8.1e-134:662:96//Hs.107295:W80392
 F-HEMBA1002780//ESTs//3.8e-41:421:74//Hs.141576:N90326
 F-HEMBA1002794//Protein kinase C, mu//4.8e-06:244:67//Hs.2891:X75756
 F-HEMBA1002801//ESTs//2.1e-24:182:87//Hs.124633:AA856938
 30 F-HEMBA1002810//Homo sapiens formin binding protein 21 mRNA, complete cds//3.4e-169:820:97//Hs.28307:AF071185
 F-HEMBA1002816//ESTs//2.5e-91:387:94//Hs.8008:R52744
 F-HEMBA1002818//Homo sapiens UPH1 (UPH1) mRNA, complete cds//7.0e-122:733:89//Hs.6059:AF093119
 F-HEMBA1002826//ESTs//0.00015:235:62//Hs.119383:M279904
 35 F-HEMBA1002833
 F-HEMBA1002850//EST//0.0014:201:65//Hs.156235:AA770550
 F-HEMBA1002863//ESTs//1.2e-50:295:91//Hs.57980:W68823
 F-HEMBA1002876//ESTs, Weakly similar to HYPOTHETICAL 26.4 KD PROTEIN EEED8.8 IN CHROMOSOME II [C.elegans]//4.9e-18:110:94//Hs.13322:AA151730
 40 F-HEMBA1002886//EST//0.99:184:65//Hs.160684:AE79429
 F-HEMBA1002896//ESTs//2.1e-11:72:100//Hs.149215:AI051679
 F-HEMBA1002921
 F-HEMBA1002924//EST//3.7e-05:291:64//Hs.134677:AI088001
 F-HEMBA1002934//ESTs//2.3e-42:324:80//Hs.141658:N77915
 45 F-HEMBA1002935//Homo sapiens mRNA for KIAA0576 protein, partial cds//1.6e-174:803:99//Hs.14687:AB011148
 F-HEMBA1002937//ESTs, Weakly similar to homologous to mouse gene PC326:GenBank Accession Number M95564 [H.sapiens]//8.1e-36:256:85//Hs.36899:AA130053
 F-HEMBA1002939//H.sapiens mRNA for cytokine inducible nuclear protein//1.1e-05:479:59//Hs.74019:X83703
 50 F-HEMBA1002944//Human putative endothelin receptor type B-like protein mRNA, complete cds//0.83:326:58//Hs.27747:U87460
 F-HEMBA1002951//ESTs//6.1e-08:137:70//Hs.26762:AA913925
 F-HEMBA1002954//ESTs//9.3e-39:249:89//Hs.146185:R19099
 F-HEMBA1002968//ESTs//0.73:142:64//Hs.136371:AA506092
 55 F-HEMBA1002970//EST//2.9e-10:103:82//Hs.162580:AA593828
 F-HEMBA1002971//ESTs//3.5e-21:190:81//Hs.61170:AA454219
 F-HEMBA1002973//Phosphodiesterase 4B, cAMP-specific (dunce (Drosophila))-homolog phosphodiesterase E4//1.5e-37:247:89//Hs.188:L20971

EP 1 074 617 A2

F-HEMBA1002997//Homo sapiens chromosome-associated protein-C (hCAP-C) mRNA, partial cds//1.7e-05:797:58//Hs.50758:AF092564
 F-HEMBA1002999//EST//9.9e-38:453:70//Hs.161635:W22525
 F-HEMBA1003021//Small inducible cytokine A5 (RANTES)//4.6e-49:373:81//Hs.155464:AF088219
 5 F-HEMBA1003033//ESTs//5.0e-64:340:95//Hs.154270:N26486
 F-HEMBA1003034//Homo sapiens PYRIN (MEFV) mRNA, complete cds//7.4e-70:330:78//Hs.113283:AF018080
 F-HEMBA1003035//Homo sapiens mRNA for testican-3//0.041:623:57//Hs.159425:AJ001454
 F-HEMBA1003037//EST//0.53:59:74//Hs.148011:M268003
 F-HEMBA1003041//ESTs, Weakly similar to F58G11.6 [C.elegans]//1.7e-64:337:95//Hs.I05907:AA186514
 10 F-HEMBA1003046//Homo sapiens mitochondrial processing peptidase beta-subunit mRNA, complete cds//3.2e-166:777:98//Hs.44097:AF054182
 F-HEMBA1003064//ESTs//3.2e-07:320:65//Hs.23466:AI223438
 F-HEMBA1003067
 F-HEMBA1003071//Homo sapiens hyperpolarization-activated channel 1 (IH1) mRNA, partial cds//1.5e-15:611:59//Hs.124161:AF065164
 15 F-HEMBA1003077//Homo sapiens KIAA0405 mRNA, complete cds//2.2e-29:542:62//Hs.48998:AB007865
 F-HEMBA1003078//CYTOCHROME P450 IVF3//2.0e-29:452:67//Hs.106242:AB002454
 F-HEMBA1003079//EST//2.0e-20:273:73//Hs.138001:AI034461
 F-HEMBA1003083//EST//2.0e-48:314:86//Hs.149580:AI281881
 20 F-HEMBA1003086//ESTs//2.6e-20:237:73//Hs.129331:AI090721
 F-HEMBA1003096//ESTs, Weakly similar to HMG-box transcription factor [M.musculus]//0.98:216:61//Hs.97865:AA405872
 F-HEMBA1003098//EST//2.9e-19:239:73//Hs.152366:AA486721
 F-HEMBA1003117//H.sapiens ERF-2 mRNA//0.0048:447:59//Hs.78909:U07802
 25 F-HEMBA1003129//Homo sapiens clone 24407 mRNA sequence//1.9e-06:507:58//Hs.12432:AF070575
 F-HEMBA1003133//Homo sapiens mRNA for KIAA0771 protein, partial cds//0.038:288:63//Hs.6162:AB018314
 F-HEMBA1003136
 F-HEMBA1003142//ESTs//3.6e-112:526:99//Hs.55982:AA284279
 F-HEMBA1003148//Homo sapiens mRNA for dachshund protein//2.2e-184:850:99//Hs.63931:AJ005670
 30 F-HEMBA1003166//Homo sapiens mRNA for KIAA0688 protein, complete cds//1.1e-24:171:83//Hs.I41874:AB014588
 F-HEMBA1003175//EST//0.91:168:60//Hs.123335:AA810740
 F-HEMBA1003179//EST, Weakly similar to hypothetical protein in purB 5' region [E.coli]//4.7e-20:118:97//Hs.II8831:AA211895
 35 F-HEMBA1003197//ESTs//0.049:265:58//Hs.153718:AI215523
 F-HEMBA1003199//SOX-3 PROTEIN//0.00034:383:60//Hs.157429:X71135
 F-HEMBA1003202//ESTs//7.1e-84:408:98//Hs.130134:AA905412
 F-HEMBA1003204//Homo sapiens PYRIN (MEFV) mRNA, complete cds//4.6e-33:154:85//Hs.113283:AF018080
 F-HEMBA1003212//ESTs//1.0e-31:159:84//Hs.134067:AI076765
 40 F-HEMBA1003220//EST//8.6e-29:317:73//Hs.150552:AI053784
 F-HEMBA1003222//ESTs//0.77:208:62//Hs.85451:AA181310
 F-HEMBA1003229//EST//0.084:233:60//Hs.98176:AA417012
 F-HEMBA1003235//Homo sapiens antigen NY-CO-16 mRNA, complete cds//0.00054:432:58//Hs.I32206:AF039694
 45 F-HEMBA1003250
 F-HEMBA1003257//Homo sapiens fibroblast growth factor 18 (FGF18) mRNA, complete cds//4.3e-08:426:64//Hs.49585:AF075292
 F-HEMBA1003273//EST//0.00078:195:65//Hs.158019:AA867991
 F-HEMBA1003276//EST//6.6e-09:159:74//Hs.162664:AA605020
 50 F-HEMBA1003278//ESTs//0.89:257:63//Hs.23207:R42864
 F-HEMBA1003281//ESTs//2.6e-33:175:98//Hs.122278:AA781867
 F-HEMBA1003286//Homo sapiens chromosome 3q13 beta-1,4-galactosyltransferase mRNA, complete cds//2.9e-146:539:97//Hs.13225:AF038662
 F-HEMBA1003291//Homo sapiens mRNA for KIAA0537 protein, complete cds//1.6e-167:799:98//Hs.12836:AB011109
 55 F-HEMBA1003296//EST//0.0013:49:97//Hs.137157:R44912
 F-HEMBA1003304//ESTs//0.047:164:64//Hs.94448:AA770160
 F-HEMBA1003309//ESTs//7.8e-123:589:98//Hs.I05486:AA521012

F-HEMBA1003314//Homo sapiens mRNA for leucine zipper bearing kinase, complete cds//1.5e-189:865:99//Hs.124224:AB001872
 F-HEMBA1003322//H.sapiens mRNA for sigma 3B protein//4.5e-49:399:80//Hs.154782:X99459
 F-HEMBA1003327//EST//7.7e-10:165:72//Hs.114826:AA056254
 5 F-HEMBA1003328//EST//0.00023:128:67//Hs.126467:AA913328
 F-HEMBA1003330
 F-HEMBA1003348//Human mRNA for KIAA0331 gene, complete cds//4.8e-26:256:78//Hs.146395:AB002329
 F-HEMBA1003369//Homo sapiens DNA from chromosome 19p13.2 cosmids R31240, R30272 and R28549 containing the EKLF, GCDH, CRTG, and RAD23A genes, genomic sequence//0.37:187:65//Hs.80265:AD000092
 10 F-HEMBA1003370//ESTs//8.2e-36:196:79//Hs.139158:AA226159
 F-HEMBA1003373//ESTs//1.0:195:61//Hs.127307:AI263819
 F-HEMBA1003376//Clathrin, light polypeptide (Lcb)//2.3e-29:606:64//Hs.73919:X81637
 F-HEMBA1003380//ESTs//2.5e-21:303:70//Hs.37528:H58017
 F-HEMBA1003384//ESTs//0.14:281:61//Hs.159650:N95552
 15 F-HEMBA1003395//ESTs//0.53:121:70//Hs.144873:AI202488
 F-HEMBA1003402//EST//0.029:148:66//Hs.116798:AA633813
 F-HEMBA1003403//Adducin 2 (beta) {alternative products }//5.0e-05:445:61//Hs.90951:U43959
 F-HEMBA1003408//ESTs//9.0e-12:87:98//Hs.70266:Z78309
 F-HEMBA1003417//Glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), regulatory (30.8kD)//9.5e-05:541:58//Hs.89709:L35546
 20 F-HEMBA1003418//ESTs//3.5e-85:399:100//Hs.154489:AA564962
 F-HEMBA1003433//Homo sapiens nibrin (NBS) mRNA, complete cds//2.0e-149:686:99//Hs.25812:AF058696
 F-HEMBA1003447//Human mRNA for KIAA0380 gene, complete cds//0.43:271:60//Hs.47822:AB002378
 F-HEMBA1003461//Glycoprotein Ib (platelet), beta polypeptide//4.8e-08:775:58//Hs.3847:U59632
 25 F-HEMBA1003463//ESTs//3.3e-22:121:99//Hs.130847:AA058578
 F-HEMBA1003480//Homo sapiens mRNA for KIAA0700 protein, partial cds//0.16:321:60//Hs.13999:AB014600
 F-HEMBA1003528//ESTs//3.8e-53:315:91//Hs.129688:AA057443
 F-HEMBA1003531//Human mRNA for KIAA0033 gene, partial cds//4.9e-51:451:78//Hs.22271:D26067
 F-HEMBA1003538//ESTs//1.2e-82:415:96//Hs.162075:AI392811
 30 F-HEMBA1003545//ISL1 transcription factor, LIM/homeodomain, (islet-1)//5.0e-75:736:73//Hs.505:U07559
 F-HEMBA1003548//ESTs//8.7e-77:411:95//Hs.163443:R23311
 F-HEMBA1003555//Human nucleotide-binding protein mRNA, complete cds//3.6e-33:562:64//Hs.81469:U01833
 F-HEMBA1003556
 F-HEMBA1003560//EST//3.7e-29:202:86//Hs.136858:AA767122
 35 F-HEMBA1003568//ESTs//2.4e-06:214:65//Hs.143371:AI342327
 F-HEMBA1003569//Human metastasis-associated mtal mRNA, complete cds//2.0e-58:455:66//Hs.101448:U35113
 F-HEMBA1003571//ESTs//0.0025:198:63//Hs.116448:AA648972
 F-HEMBA1003579//ESTs//6.0e-110:513:99//Hs.97372:AA398546
 40 F-HEMBA1003581//ESTs, Highly similar to TALIN [Mus musculus]//3.6e-19:108:99//Hs.18420:AA599232
 F-HEMBA1003591//ESTs, Weakly similar to R74.5 [C.elegans]//5.2e-85:487:92//Hs.57937:W68285
 F-HEMBA1003595//Membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)//2.8e-06:439:62//Hs.83532:X59405
 F-HEMBA1003597//ESTs//0.0025:200:64//Hs.8473:T40827
 45 F-HEMBA1003598//ESTs//0.18:187:63//Hs.98641:AA429916
 F-HEMBA1003615//ESTs, Highly similar to phosphorylation regulatory protein HP-10 [H.sapiens]//2.4e-133:644:97//Hs.3566:AA314782
 F-HEMBA1003617//Homa sapiens mRNA for HRIHFB2157, partial cds//7.9e-171:501:97//Hs.124956:AB015344
 F-HEMBA1003621//Homo sapiens protein inhibitor of activated STAT protein PIASx-alpha mRNA, complete cds//4.4e-16:161:78//Hs.111323:AF077954
 50 F-HEMBA1003622//EST//0.0085:251:62//Hs.97343:AA401750
 F-HEMBA1003630//ESTs//7.5e-05:304:61//Hs.87131:AA233159
 F-HEMBA1003637//Homo sapiens homolog of the Aspergillus nidulans sudD gene product mRNA, complete cds//7.9e-26:546:63//Hs.109901:AF013591
 55 F-HEMBA1003640//ESTs//1.1e-11:267:661//Hs.34359:AI122791
 F-HEMBA1003645
 F-HEMBA1003646
 F-HEMBA1003656

F-HEMBA1003662
 F-HEMBA1003667//ESTs//1.5e-27:235:81//Hs.55855:AA621381
 F-HEMBA1003679//ESTs//4.3e-49:251:97//Hs.152811:AA630906
 F-HEMBA1003680//Human plectin (PLEC1) mRNA, complete cds//3.4e-06:464:61//Hs.79706:U53204
 5 F-HEMBA1003684//ESTs, Weakly similar to zinc finger protein C2H2-171 [H.sapiens]//1.6e-100:478:98//Hs.118866:AI017072
 F-HEMBA1003690//Homo sapiens mRNA for KIAA0600 protein, partial cds//9.5e-74:606:77//Hs.9028:AF039691
 F-HEMBA1003692//ESTs//4.2e-43:252:92//Hs.39748:AA487187
 F-HEMBA1003711//Homo sapiens mRNA for KIAA0544 protein, partial cds//0.81:254:62//Hs.32316:AB011116
 10 F-HEMBA1003714//ESTs//6.4e-98:495:95//Hs.43846:N49995
 F-HEMBA1003715//ESTs//1.3e-11:228:69//Hs.101237:AA708760
 F-HEMBA1003720//Homo sapiens clone 23892 mRNA sequence//5.5e-45:692:68//Hs.91916:AF035317
 F-HEMBA1003725//EST//2.5e-46:228:100//Hs.160069:AA926921
 F-HEMBA1003729//ESTs//4.1e-48:253:96//Hs.26270:AA258839
 15 F-HEMBA1003733//Human Line-1 repeat mRNA with 2 open reading frames//8.6e-102:753:81//Hs.23094:M19503
 F-HEMBA1003742//Homo sapiens chromosome 19, cosmid
 R31180//0.16:242:62//Hs.153325:AC005390
 F-HEMBA1003758//ESTs//9.3e-12:408:61//Hs.148459:AI198946
 20 F-HEMBA1003760//Homo sapiens clone 23698 mRNA sequence//9.7e-35:430:69//Hs.8136:U81984
 F-HEMBA1003773//EST//0.76:191:61//Hs.127020:AA934920
 F-HEMBA1003783//ESTs, Weakly similar to C01H6.7 [C.elegans]//1.7e-24:224:81//Hs.18171:AA524327
 F-HEMBA1003784//ESTs//0.13:120:67//Hs.161993:AA503172
 F-HEMBA1003799//Interleukin 9 receptor//2.0e-17:263:70//Hs.1702:L39064
 25 F-HEMBA1003803//Homo sapiens calcium-activated potassium channel (KCNN3) mRNA, complete cds//0.13:222:61//Hs.89230:AF031815
 F-HEMBA1003804//ESTs//1.4e-112:275:98//Hs.72132:AF039239
 F-HEMBA1003805//Human p62 mRNA, complete cds//1.1e-11:523:60//Hs.119537:M88108
 F-HEMBA1003807//ESTs//4.1e-08:279:68//Hs.115679:AI379721
 30 F-HEMBA1003827//Homo sapiens mRNA for KIAA0616 protein, partial cds//3.3e-85:586:87//Hs.6051:AB014516
 F-HEMBA1003836//EST//6.8e-06:98:74//Hs.I45447:AI204220
 F-HEMBA1003838//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//3.8e-40:151:88//Hs.139007:H74314
 F-HEMBA1003856//ESTs//8.6e-53286:95//Hs.116645:AI005167
 35 F-HEMBA1003864//Human mRNA for KIAA0369 gene, complete cds//0.11:144:66//Hs.21355:AB002367
 F-HEMBA1003866//Homo sapiens semaphorin F homolog mRNA, complete cds//4.3e-30:580:63//Hs.27621:U52840
 F-HEMBA1003879//Nuclear cap binding protein, 80kD//6.7e-10:87:95//Hs.89563:D32002
 F-HEMBA1003880
 40 F-HEMBA1003885//Homo sapiens mRNA for KIAA0752 protein, partial cds//4.2e-18:302:67//Hs.23711:AB018295
 F-HEMBA1003893//ESTs, Weakly similar to HYPOTHETICAL 27.8 KD PROTEIN IN VMA7-RPS31A INTERGENIC REGION [S.cerevisiae]//1.2e-49:295:92//Hs.114673:W72675
 F-HEMBA1003902//ESTs//1.1e-11:165:74//Hs.54632:AA976236
 F-HEMBA1003908//Homo sapiens mRNA for KIAA0525 protein, partial cds//0.081:345:58//Hs.78494:AB011097
 45 F-HEMBA1003926//EST//2.5e-32:253:83//Hs.132635:AI032875
 F-HEMBA1003937//Human mRNA for KIAA0391 gene, complete cds//2.9e-38:313:69//Hs.154668:AB002389
 F-HEMBA1003939//ESTs//3.4e-07:150:71//Hs.148926:R59562
 F-HEMBA1003942//EST, Weakly similar to 24 KD PROTEIN [Xenopus laevis]//0.0029:222:61//Hs.I44236:W52380
 F-HEMBA1003950//ESTs//0.98:200:62//Hs.163912:W20055
 50 F-HEMBA1003953//Zinc finger protein 7 (KOX 4, clone HF.16)//0.00014:271:66//Hs.2076:M29580
 F-HEMBA1003958//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.1e-44:243:76//Hs.91146:N73230
 F-HEMBA1003959//ESTs//0.067:251:59//Hs.39915:H78567
 F-HEMBA1003976//EST//6.7e-09:109:81//Hs.154635:AI138965
 55 F-HEMBA1003978
 F-HEMBA1003985//EST//0.32:115:69//Hs.102617:N47009
 F-HEMBA1003987//ESTs//7.8e-07:60:100//Hs.66058:AA424456
 F-HEMBA1003989//Homo sapiens HIV-1 inducer of short transcripts binding protein (FBI1) mRNA, complete cds//

0.022:349:58//Hs.104640:AF000561
 F-HEMBA1004000//EST//7.2e-07:200:66//Hs.119082:AA358468
 F-HEMBA1004011//EST//0.019:241:62//Hs.116989:AA676493
 F-HEMBA1004012//ESTs//3.6e-09:177:68//Hs.106132:AA812573
 5 F-HEMBA1004015//ESTs//3.0e-86:407:99//Hs.115679:AI379721
 F-HEMBA1004024//Homo sapiens mRNA for KIAA0772 protein, complete cds//5.2e-51:359:84//Hs.15519:
 AB018315
 F-HEMBA1004038//ESTs//1.2e-58:324:94//Hs.61658:AI239930
 F-HEMBA1004042//EST//0.00088:272:61//Hs.155763:AI312281
 10 F-HEMBA1004045//EST//2.7e-20:408:66//Hs.162529:AA584160
 F-HEMBA1004048//Transforming growth factor beta//0.026:462:57//Hs.6101:M60315
 F-HEMBA1004049//ESTs//8.1e-68:430:86//Hs.146307:AA584638
 F-HEMBA1004055//Human chromosome 3p21.1 gene sequence//1.5e-10:457:58//Hs.82837:L13435
 F-HEMBA1004056//Homo sapiens mRNA for alpha(1,2)fucosyltransferase, complete cds//1.5e-46:199:80//Hs.
 15 46328:D87942
 F-HEMBA1004074//ESTs//3.0e-23:219:74//Hs.70279:AA757426
 F-HEMBA1004086//EST//0.36:189:62//Hs.156218:AA770107
 F-HEMBA1004097//NADH-CYTOCHROME B5 REDUCTASE//1.0:302:57//Hs.75666:M28713
 F-HEMBA1004111//Human G protein-coupled receptor (STRL22) mRNA, complete cds//4.3e-39:335:79//Hs.
 20 46468:U45984
 F-HEMBA1004131//Human mRNA for KIAA0202 gene, partial cds//1.9e-24:610:61//Hs.80712:D86957
 F-HEMBA1004132//EST//3.5e-06:143:70//Hs.136799:AA780064
 F-HEMBA1004133//ESTs//1.0:157:68//Hs.161226:AI419759
 F-HEMBA1004138//H.sapiens mRNA for RanGTPase activating protein 1//0.00055:343:62//Hs.5923:X82260
 25 F-HEMBA1004143
 F-HEMBA1004146
 F-HEMBA1004150//EST//0.0046:402:57//Hs.147027:AI186056
 F-HEMBA1004164//Homo sapiens mRNA for KIAA0798 protein, complete cds//1.8e-15:591:60//Hs.159277:
 AB018341
 30 F-HEMBA1004168//Homo sapiens geminin mRNA, complete cds//1.5e-134:649:97//Hs.59988:AF067855
 F-HEMBA1004199
 F-HEMBA1004200//ESTs//0.0083:150:66//Hs.116424:AI375427
 F-HEMBA1004202//ESTs, Weakly similar to GTP-BINDING PROTEIN YPTM1 [Zea mays]//1.2e-35:205:94//Hs.
 35 10092:AI189282
 F-HEMBA1004203//ESTs//3.9e-14:237:70//Hs.118273:AA626040
 F-HEMBA1004207//Leptin receptor//1.1e-167:791:98//Hs.54515:U50748
 F-HEMBA1004225//ESTs//0.00087:231:64//Hs.13109:AA192514
 F-HEMBA1004227//ESTs, Weakly similar to F55A11.4 [C.elegans]//0.012:156:67//Hs.163588:AI073878
 F-HEMBA1004238
 40 F-HEMBA1004241//ESTs//8.7e-05:51:96//Hs.162826:AA679571
 F-HEMBA1004246//EST//1.2e-36:198:96//Hs.121343:AA758522
 F-HEMBA1004248//Homo sapiens insulin induced protein 1 (INSIG1) gene, complete cds//1.1e-28:295:72//Hs.
 56205:U96876
 F-HEMBA1004264//Human HCF1 gene related mRNA sequence//3.1e-07:553:60//Hs.83634:U52112
 45 F-HEMBA1004267//Homo sapiens mRNA for KIAA0688 protein, complete cds//4.9e-73:490:77//Hs.141874:
 AB014588
 F-HEMBA1004272
 F-HEMBA1004274//EST//0.43:154:61//Hs.125347:AA876444
 F-HEMBA1004275//Human mRNA for KIAA0333 gene, partial cds//0.71:118:65//Hs.155313:AB002331
 50 F-HEMBA1004276//Homo sapiens mRNA for KIAA0800 protein, complete cds//1.0:364:56//Hs.118738:AB018343
 F-HEMBA1004286//Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds//6.9e-187:868:
 99//Hs.101766:AF022795
 F-HEMBA1004289
 F-HEMBA1004295//EST//0.20:149:62//Hs.162415:AA573484
 55 F-HEMBA1004306//ESTs//0.041:177:64//Hs.158234:AI270047
 F-HEMBA1004312//ESTs//0.83:253:59//Hs.121898:AI336314
 F-HEMBA1004321//Zinc finger protein 136 (clone pHZ-20)//2.3e-40:452:65//Hs.69740:U09367
 F-HEMBA1004323//EST//0.44:134:64//Hs.145464:AI204532

- F-HEMBA1004327//Homo sapiens SOX22 protein (SOX22) mRNA, complete cds//0.017:209:64//Hs.43627:U35612
- F-HEMBA1004330//ESTs//4.5e-27:171:91//Hs.112838:AA614062
- F-HEMBA1004334//EST//2.4e-53:556:75//Hs.139093:AA166888
- 5 F-HEMBA1004335//Homo sapiens mRNA for KIAA0706 protein, complete cds//0.49:80:73//Hs.139648:AB014606
- F-HEMBA1004341
- F-HEMBA1004353//Homo sapiens mRNA for c-myc binding protein, complete cds//2.7e-39:270:86//Hs.80686:D89667
- F-HEMBA1004354//Human CHL1 potential helicase (CHLR1), complete cds//1.3e-46:190:92//Hs.27424:U75968
- 10 F-HEMBA1004356//Thyrotropin-releasing hormone receptor//0.15:296:62//Hs.3022:D85376
- F-HEMBA1004366//ESTs, Weakly similar to transposon LRE2 reverse transcriptase homolog [H.sapiens]//7.8e-10:396:61//Hs.33688:AA020928
- F-HEMBA1004372//ESTs//0.90:172:62//Hs.145611:R68800
- F-HEMBA1004389//Zinc finger protein 148 (pHZ-52)//8.0e-28:359:67//Hs.112180:AF039019
- 15 F-HEMBA1004394//ESTs//0.023:357:58//Hs.47212:N51250
- F-HEMBA1004396//EST//3.4e-22:244:74//Hs.162554:AA584818
- F-HEMBA1004405//EST//4.0e-43:214:100//Hs.33100:H42199
- F-HEMBA1004408//ESTs, Weakly similar to The ha1539 protein is related to cyclophilin. [H.sapiens]//1.4e-20:144:88//Hs.121076:AI246426
- 20 F-HEMBA1004429//Fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, Bombay phenotype included)//4.8e-18:248:72//Hs.69747:M35531
- F-HEMBA1004433//Small inducible cytokine A5 (RANTES)//8.2e-39:248:81//Hs.155464:AF088219
- F-HEMBA1004460//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.6e-87:650:81//Hs.113283:AF018080
- F-HEMBA1004461//ESTs//0.057:217:61//Hs.26989:Z41606
- 25 F-HEMBA1004479//Homo sapiens clone 23698 mRNA sequence//4.9e-17:223:71//Hs.8136:U81984
- F-HEMBA1004482//EST//0.0056:261:59//Hs.45012:N39450
- F-HEMBA1004499//ESTs//4.1e-68:340:97//Hs.134266:AA992600
- F-HEMBA1004502//ESTs//7.7e-32:195:91//Hs.134906:H93431
- F-HEMBA1004506//Human Line-1 repeat mRNA with 2 open reading frames//9.0e-89:758:76//Hs.23094:M19503
- 30 F-HEMBA1004507//ESTs, Weakly similar to T19B10.6 [C.elegans]//1.4e-61:296:99//Hs.114622:AA693492
- F-HEMBA1004509//Homo sapiens suppressor of white apricot homolog 2 (SWAP2) mRNA, complete cds//0.014:265:61//Hs.43543:AF042800
- F-HEMBA1004534//Filamin 1 (actin-binding protein-280)//5.0e-74:678:74//Hs.76279:X53416
- F-HEMBA1004538//EST//0.00047:268:58//Hs.136870:AA805381
- 35 F-HEMBA1004542//Human butyrophilin protein (BT3.3) mRNA, partial cds//0.74:74:75//Hs.87497:U90552
- F-HEMBA1004554
- F-HEMBA1004560//ESTs//3.1e-19:240:73//Hs.112637:AA805331
- F-HEMBA1004573//EST//2.4e-59:290:99//Hs.112908:AA620802
- F-HEMBA1004577//ESTs, Weakly similar to UTR1 PROTEIN [S.cerevisiae]//1.2e-17:334:67//Hs.24536:AA479825
- 40 F-HEMBA1004586//Von Hippel-Lindau syndrome//5.1 e-35:337:78//Hs.78160:AF010238
- F-HEMBA1004596//ESTs//3.3e-32:189:94//Hs.42530:N41661
- F-HEMBA1004604//Human hindlimb expressed homeobox protein backfoot (Bft) mRNA, complete cds//0.42:186:66//Hs.84136:1170370
- 45 F-HEMBA1004610//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.3e-16:297:68//Hs.106008:AA147606
- F-HEMBA1004617//EST//0.027:188:61//Hs.159094:AI383198
- F-HEMBA1004629//ESTs//7.8e-09:348:63//Hs.138358:T66178
- F-HEMBA1004631//EST//0.0012:268:60//Hs.150685:AA923416
- 50 F-HEMBA1004632//ESTs//0.82:125:67//Hs.143619:AI360891
- F-HEMBA1004637//ESTs//0.0034:229:64//Hs.157178:AI346780
- F-HEMBA1004638//ESTs//2.0e-11:166:71//Hs.128657:AI017522
- F-HEMBA1004666//EST//0.44:294:58//Hs.44780:N36083
- F-HEMBA1004669//ESTs//1.7e-28:200:86//Hs.8084:W22796
- 55 F-HEMBA1004670//Mucin 1, transmembrane//0.060:416:57//Hs.89603:J05582
- F-HEMBA1004672//ESTs//0.27:44:95//Hs.86237:AA206141
- F-HEMBA1004693//ESTs//5.3e-55:301:95//Hs.159066:AI093252
- F-HEMBA1004697//H.sapiens mRNA for ribosomal protein L18a homologue//0.64:313:61//Hs.118578:X80821

- F-HEMBA1004705//Homo sapiens KIAA0432 mRNA, complete cds//4.5e-19:230:73//Hs.155174:AB007892
 F-HEMBA1004709//ESTs//3.1e-31:176:88//Hs.152413:AA780515
 F-HEMBA1004711//Cholinergic receptor, nicotinic, delta polypeptide//1.0:244:57//Hs.99975:X55019
 F-HEMBA1004725//Homo sapiens agrin precursor mRNA, partial cds//0.24:328:60//Hs.68900:AF016903
 5 F-HEMBA1004730//ESTs, Weakly similar to ORF2-like protein [H.sapiens]//5.9e-32:476:70//Hs.116874:AA524909
 F-HEMBA1004733//ESTs//3.8e-16:96:79//Hs.152413:AA780515
 F-HEMBA1004734//Human epidermoid carcinoma mRNA for ubiquitin-conjugating enzyme E2 similar to Drosophila bendless gene product, complete cds//0.16:329:58//Hs.75355:D83004
 10 F-HEMBA1004736//Human Line-1 repeat mRNA with 2 open reading frames//2.0e-61:663:71//Hs.23094:M19503
 F-HEMBA1004748//ESTs//1.5e-05:343:63//Hs.42241:H96813
 F-HEMBA1004751//ESTs//3.7e-32:147:80//Hs.138788:N54504
 F-HEMBA1004752//Homo sapiens mRNA for KIAA0288 gene, complete cds//0.00020:521:59//Hs.91400:AB006626
 15 F-HEMBA1004753//Homo sapiens DEC-205 mRNA, complete cds//5.1e-46:337:84//Hs.I53563:AF011333
 F-HEMBA1004756//Human transporter protein (g17) mRNA, complete cds//3.1e-24:416:65//Hs.76460:U49082
 F-HEMBA1004758//Homo sapiens transcription factor SL1 mRNA, complete cds//1.2e-136:769:91//Hs.153088:L39060
 F-HEMBA1004763//Loricrin//0.0018:227:62//Hs.I55657:M61120
 20 F-HEMBA1004768//Human Line-1 repeat mRNA with 2 open reading frames//4.5e-115:909:78//Hs.23094:M19503
 F-HEMBA1004770//Human Rad50 (Rad50) mRNA, complete cds//0.020:728:57//Hs.41587:U63139
 F-HEMBA1004771
 F-HEMBA1004776//ESTs, Weakly similar to progesterone receptor-related protein p23 [H.sapiens]//1.0:158:63//Hs.62004:AF039235
 25 F-HEMBA1004778//ESTs//1.2e-70:336:99//Hs.113052:AI222106
 F-HEMBA1004795
 F-HEMBA1004803//ESTs//5.0e-75:454:88//Hs.138632:H97952
 F-HEMBA1004806//EST//0.080:142:65//Hs.160268:AI148971
 30 F-HEMBA1004807//Human HIV1 tata element modulatory factor mRNA sequence from chromosome 3//4.5e-48:171:92//Hs.134510:L01042
 F-HEMBA1004816//EST//1.0e-17:175:71//Hs.140680:AA873646
 F-HEMBA1004820//ESTs//1.3e-136:629:99//Hs.160726:AI300481
 F-HEMBA1004847//ESTs//2.1 e-09:66:98//Hs.158161:AA312511
 35 F-HEMBA1004850//EST//0.033:253:64//Hs.158782:A376601
 F-HEMBA1004863//Homo sapiens mRNA for KIAA0578 protein, partial cds//0.83:179:62//Hs.22998:AB011150
 F-HEMBA1004864//ESTs, Weakly similar to ANON-66Db [D.melanogaster]//1.7e-13:81:100//Hs.75884:AA446987
 F-HEMBA1004865//ESTs//0.92:148:65//Hs.126980:AA934077
 40 F-HEMBA1004880//H.sapiens mRNA for retrotransposon//1.2e-30:264:79//Hs.6940:Z48633
 F-HEMBA1004889//Growth arrest-specific 1//0.20:146:68//Hs.65029:L13698
 F-HEMBA1004900//ESTs//1.6e-32:196:93//Hs.132032:R85304
 F-HEMBA1004909//ESTs//3.4e-13:154:75//Hs.151467:N51106
 F-HEMBA1004918//EST//0.78:122:61//Hs.I45491:AI254348
 45 F-HEMBA1004923//ELK1, member of ETS oncogene family//1.6e-40:340:79//Hs.116549:AL009172
 F-HEMBA1004929//Cardiac gap junction protein//0.0048:588:57//Hs.74471:X52947
 F-HEMBA1004930//ESTs//1.5e-17:227:74//Hs.148739:AI224959
 F-HEMBA1004933//Human pseudoautosomal homeodomain-containing protein (PHOG) mRNA, complete cds//0.11:182:65//Hs.105932:U89331
 50 F-HEMBA1004934
 F-HEMBA1004944//EST//1.2e-67:349:96//Hs.162281:AA553981
 F-HEMBA1004954//ESTs//0.0i4:404:60//Hs.11177:AA417813
 F-HEMBA1004956//EST//2.3e-05:208:64//Hs.146958:AI174478
 F-HEMBA1004960//ESTs//0.79:169:62//Hs.11637:W03274
 55 F-HEMBA1004972
 F-HEMBA1004973//Homo sapiens mRNA for KIAA0445 protein, complete cds//0.073:574:58//Hs.154139:AB007914
 F-HEMBA1004977//EST//4.4e-12:86:94//Hs.157819:AI361946

- F-HEMBA1004978//ESTs//0.097:337:60//Hs.114157:AA703013
 F-HEMBA1004980//EST//3.2e-10:169:65//Hs.149123:AI244750
 F-HEMBA1004983//EST//0.93:85:71//Hs.162267:AA553589
 F-HEMBA1004995//ESTs//0.46:296:61//Hs.135168:AI394026
 5 F-HEMBA1005008//ESTs//1.5e-20:156:85//Hs.114140:U35429
 F-HEMBA1005009//Homo sapiens chromosome 7q22 sequence//1.5e-52:379:72//Hs.151887:AF053356
 F-HEMBA1005019//Homo sapiens mRNA for KIAA0648 protein, partial cds//4.5e-148:693:98//Hs.31921:AB014548
 F-HEMBA1005029//Homo sapiens mRNA for KIAA0660 protein, complete cds//1.0:215:65//Hs.6727:AB014560
 10 F-HEMBA1005035//ESTs, Weakly similar to HYPOTHETICAL 82.8 KD PROTEIN B0303.4 IN CHROMOSOME III [C.elegans]//9.4e-106:503:98//Hs.21362:AF039237
 F-HEMBA1005039//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//5.8e-60:272:89//Hs.103948:K00627
 F-HEMBA1005047//Homo sapiens MAD-related gene SMAD7 (SMAD7) mRNA, complete cds//0.078:442:59//Hs.100602:AF010193
 15 F-HEMBA1005050//H.sapiens ERF-2 mRNA//0.0025:251:63//Hs.78909:U07802
 F-HEMBA1005062//ESTs//0.020:268:59//Hs.146181:AI264462
 F-HEMBA1005066//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds//1.5e-59:411:85//Hs.129727:AF035587
 F-HEMBA1005075//Human mRNA for KIAA0383 gene, partial cds//0.00010:395:57//Hs.27590:AB002381
 20 F-HEMBA1005079//Dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex)//3.5e-26:344:72//Hs.89479:X66785
 F-HEMBA1005083//Homo sapiens centrosomal Nek2-associated protein 1 (C-NAP1) mRNA, complete cds//0.59:631:59//Hs.27910:AF049105
 F-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds//4.1e-163:762:98//Hs.11170:AF080561
 25 F-HEMBA1005113//ESTs//0.52:109:68//Hs.106330:AI031916
 F-HEMBA1005123//Homo sapiens mRNA for KIAA0761 protein, partial cds//1.3e-52:468:78//Hs.93121:AB018304
 F-HEMBA1005133//ESTs//1.6e-27:366:73//Hs.151467:N51106
 F-HEMBA1005149//EST//3.3e-37:304:80//Hs.132635:AI032875
 30 F-HEMBA1005152//ESTs//3.9e-09:285:62//Hs.155876:AA593021
 F-HEMBA1005159//EST//8.4e-05:289:64//Hs.125563:AA884216
 F-HEMBA1005185//ESTs//1.4e-22:129:96//Hs.14920:AA910914
 F-HEMBA1005201//EST//4.0e-16:96:98//Hs.89002:AA282197
 F-HEMBA1005202
 35 F-HEMBA1005206//Homo sapiens sox1 gene//0.0079:431:58//Hs.144029:Y13436
 F-HEMBA1005219//ESTs//4.3e-47:299:88//Hs.5019:W26547
 F-HEMBA1005223//ESTs//0.00030:168:66//Hs.76487:N37081
 F-HEMBA1005232//EST//0.0078:209:61//Hs.46852:N48302
 F-HEMBA1005241//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//6.0e-54:399:79//Hs.129735:AF010144
 40 F-HEMBA1005244//ESTs//2.5e-14:85:10011Hs.128744:AI191922
 F-HEMBA1005251//ESTs//0.012:49:95//Hs.161554:AA393896
 F-HEMBA1005252//Homo sapiens mRNA for KIAA0585 protein, partial cds//4.7e-151:705:98//Hs.72660:AB011157
 45 F-HEMBA1005274//ESTs//7.1e-09:298:64//Hs.145522:AI261380
 F-HEMBA1005275//ESTs//7.9e-13:375:63//Hs.148974:AA001777
 F-HEMBA1005293//Homo sapiens clone 23662 mRNA sequence//7.7e-22:338:65//Hs.12451:U97018
 F-HEMBA1005296//ESTs//0.055:299:60//Hs.86320:AI149232
 F-HEMBA1005304//Small inducible cytokine A5 (RANTES)//1.7e-45:322:85//Hs.155464:AF088219
 50 F-HEMBA1005311
 F-HEMBA1005314//ESTs//8.1e-39:199:98//Hs.119974:AI279516
 F-HEMBA1005315//ESTs//1.9e-07:266:64//Hs.141440:N21615
 F-HEMBA1005318//ESTs//5.3e-06:161:72//Hs.119411:AA937117
 F-HEMBA1005331//Human checkpoint suppressor 1 mRNA, complete cds//0.00075:310:63//Hs.111597:U68723
 55 F-HEMBA1005338//Homo sapiens mRNA for matrilin-4, partial//4.4e-153:740:97//Hs.29361:AJ007581
 F-HEMBA1005353//EST//5.4e-09:2:22:68//Hs.119508:AA485732
 F-HEMBA1005359//Zinc finger protein 137 (clone pHZ-30)//5.7e-100:500:88//Hs.151689:U09414
 F-HEMBA1005367//Homo sapiens melastatin 1 (MLSN1) mRNA, complete cds//2.5e-70:572:73//Hs.43265:

EP 1 074 617 A2

AF071787
 F-HEMBA1005372//ESTs//0.00045:163:66//Hs.164058:AI417905
 F-HEMBA1005374//Human melanoma antigen recognized by T-cells (MART-1) mRNA/6.1e-43:341:81//Hs.154069:U06452
 5 F-HEMBA1005382//EST//2.4e-32:167:99//Hs.147186:AI93053
 F-HEMBA1005389//ESTs//0.0021:245:59//Hs.104463:AA804448
 F-HEMBA1005394//ESTs, Weakly similar to No definition line found [C.elegans]//1.0e-130:620:98//Hs.108990:N25951
 F-HEMBA1005403//ESTs, Weakly similar to No definition line found [C.elegans]//7.7e-151:727:97//Hs.17118:AI033807
 10 F-HEMBA1005408//ESTs//3.2e-70:426:89//Hs.158078:H24513
 F-HEMBA1005410//EST//2.5e-25:460:67//Hs.138765:N70347
 F-HEMBA1005411
 F-HEMBA1005423//Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds//3.3e-171:537:99//Hs.4854:AF041248
 15 F-HEMBA1005426//EST//1.0:148:64//Hs.44469:N33323
 F-HEMBA1005443//Zinc finger protein 157 (HZF22)//9.0e-34:259:72//Hs.89897:U28687
 F-HEMBA1005447//EST//3.9e-10:211:70//Hs.145960:AI276783
 F-HEMBA1005468//ESTs//8.4e-53:390:81//Hs.152395:AA533107
 20 F-HEMBA1005469//Human (clone E5.1) RNA-binding protein mRNA, complete cds//3.1e-29:155:99//Hs.75104:L37368
 F-HEMBA1005472//Human Line-1 repeat mRNA with 2 open reading frames//1.4e-88:481:92//Hs.23094:M19503
 F-HEMBA1005474//Small inducible cytokine A5 (RANTES)//4.2e-29:257:78//Hs.155464:AF088219
 F-HEMBA1005475//Homo sapiens antigen NY-CO-16 mRNA, complete cds//5.3e-09:414:60//Hs.132206:AF039694
 25 F-HEMBA1005497//Glucocorticoid receptor alpha [alternative products]//8.7e-41:588:69//Hs.102761:U25029
 F-HEMBA1005500//Homo sapiens PAC clone DJ1093017 from 7q11.23-q21//1.1e-28:318:73//Hs.159530:AC004957
 F-HEMBA1005506//Human mRNA for KIAA0010 gene, complete cds//0.67:351:58//Hs.155287:D13635
 30 F-HEMBA1005508//ESTs//0.45:326:59//Hs.102756:AA526911
 F-HEMBA1005511//Human mRNA for KIAA0355 gene, complete cds//4.2e-49:400:79//Hs.153014:AB002353
 F-HEMBA1005513//ESTs, Weakly similar to males-absent on the first [D.melanogaster]//5.3e-76:378:97//Hs.22767:N99220
 F-HEMBA1005517//Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds//0.54:623:56//Hs.143551:AF048693
 35 F-HEMBA1005518//ESTs//0.10:207:60//Hs.72447:AA160575
 F-HEMBA1005520//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//3.1e-55:288:85//Hs.144563:AF057280
 F-HEMBA1005526//Small inducible cytokine A5 (RANTES)//5.4e-48:176:76//Hs.155464:AF088219
 40 F-HEMBA1005528//ESTs, Highly similar to POP2 PROTEIN [Saccharomyces cerevisiae]//1.2e-30:166:96//Hs.17035:AI080471
 F-HEMBA1005530
 F-HEMBA1005548//Homo sapiens short form transcription factor C-MAF (c-maf) mRNA, complete cds//4.6e-18:391:64//Hs.30250:AF055376
 45 F-HEMBA1005552//ESTs//1.8e-46:238:88//Hs.138856:H47461
 F-HEMBA1005558//Human involucrin mRNA//3.0e-07:501:60//Hs.157091:M13903
 F-HEMBA1005568//ESTs//0.013:259:63//Hs.13669:H47257
 F-HEMBA1005570//ESTs//0.0084:442:59//Hs.125384:AI346507
 F-HEMBA1005576//Homo sapiens mRNA for KIAA0463 protein, partial cds//1.9e-128:610:98//Hs.77738:AB007932
 50 F-HEMBA1005577//ESTs//0.98:199:61//Hs.146226:AI312873
 F-HEMBA1005581//Homo sapiens mRNA for MEGF5, partial cds//9.1e-53:830:64//Hs.57929:AB011538
 F-HEMBA1005582
 F-HEMBA1005583
 55 F-HEMBA1005588//ESTs//1.3e-35:386:70//Hs.55855:AA621381
 F-HEMBA1005593//S-ADENOSYLMETHIONINE SYNTHETASE ALPHA AND BETA FORMS//0.54:439:591//Hs.2137:D49357
 F-HEMBA1005595//Human mRNA for KIAA0325 gene, partial cds//5.5e-06:378:57//Hs.7720:AB002323

- F-HEMBA1005606//EST//2.0e-60:324:94//Hs.5062:D19609
 F-HEMBA1005609//ESTs//6.0e-39:378:76//Hs.142242:H06982
 F-HEMBA1005616//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//8.2e-22:721:61//Hs.144563:AF057280
- 5 F-HEMBA1005621//ESTs, Weakly similar to MITOTIC MAD2 PROTEIN [S.cerevisiae]//1.8e-89:454:96//Hs.19400:AA662845
 F-HEMBA1005627//EST//1.0:161:60//Hs.162765:AA622535
 F-HEMBA1005631//EST//0.74:124:62//Hs.156185:AA723734
 F-HEMBA1005632//ESTs//1.0:96:70//Hs.141321:N70199
- 10 F-HEMBA1005634//EST//6.6e-10:105:73//Hs.159692:AI416956
 F-HEMBA1005666
 F-HEMBA1005670//Homo sapiens mRNA for KIAA0570 protein, complete cds//2.7e-45:255:79//Hs.114293:AB011142
 F-HEMBA1005679//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//1.2e-37:356:77//Hs.139107:K00629
- 15 F-HEMBA1005680
 F-HEMBA1005685
 F-HEMBA1005699//Human putative EPH-related PTK receptor ligand LERK-8 (Eplg8) mRNA, complete cds//3.3e-71:497:85//Hs.26988:U66406
 F-HEMBA1005705//ESTs//0.00093:149:65//Hs.163564:R43678
- 20 F-HEMBA1005717//EST//0.018:115:66//Hs.160541:AI270143
 F-HEMBA1005732//Farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase)//2.6e-20:151:88//Hs.77393:D14697
 F-HEMBA1005737//ESTs//9.5e-34:235:88//Hs.160197:AA393754
 F-HEMBA1005746//ESTs//0.20:260:59//Hs.112451:AI264024
- 25 F-HEMBA1005755//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//1.8e-48:425:78//Hs.103948:K00627
 F-HEMBA1005765//Small inducible cytokine A5 (RANTES)//1.3e-36:280:81//Hs.155464:AF088219
 F-HEMBA1005780//ESTs//1.0:139:67//Hs.88684:AA885141
 F-HEMBA10058131//ESTs//0.012:209:63//Hs.113365:R77747
 F-HEMBA1005815//Human calpain-like protease (htra-3) mRNA, complete cds//2.0e-07:439:62//Hs.6133:U94346
- 30 F-HEMBA1005822//ESTs//9.3e-06:444:59//Hs.124344:T10577
 F-HEMBA1005829//ESTs//1.1e-47:394:80//Hs.146811:AA410788
 F-HEMBA1005834//Human Line-1 repeat mRNA with 2 open reading frames//7.9e-42:690:66//Hs.23094:M19503
 F-HEMBA1005852//Human plectin (PLEC1) mRNA, complete cds//0.17:470:56//Hs.79706:U53204
 F-HEMBA1005853//EST//0.013:211:60//Hs.162604:AA595150
- 35 F-HEMBA1005884//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//1.4e-53:332:83//Hs.158095:AB007953
 F-HEMBA1005891//ESTs//1.1e-77:393:97//Hs.28545:AI268097
 F-HEMBA1005894//Human G protein-coupled receptor (STRL22) mRNA, complete cds//7.2e-45:411:77//Hs.46468:U45984
- 40 F-HEMBA1005909//Human neuropeptide y2 receptor mRNA, complete cds//0.00054:477:59//Hs.37125:U42766
 F-HEMBA1005911//Thromboxane A2 receptor//4.1e-45:419:75//Hs.89887:D38081
 F-HEMBA1005921//Homo sapiens haemopoietic progenitor homeobox HPX42B (HPX42B) mRNA, complete cds//2.0e-46:434:78//Hs.125231:AF068006
 F-HEMBA1005931//ESTs, Weakly similar to kruppel-related zinc finger protein [H.sapiens]//1.2e-46:228:100//Hs.152178:AI224880
- 45 F-HEMBA1005934//EST//3.1e-14:121:85//Hs.150003:AI291588
 F-HEMBA1005962//EST//0.0010:212:62//Hs.163197:AA767883
 F-HEMBA1005963
 F-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//4.2e-151:697:99//Hs.26285:AF082516
- 50 F-HEMBA1005991//EST//3.0e-07:361:59//Hs.146442:AI127530
 F-HEMBA1005999//EST//1.2e-14:350:66//Hs.122326:AA782526
 F-HEMBA1006002
 F-HEMBA1006005//ESTs, Weakly similar to TH1 protein [D.melanogaster]//0.98:197:61//Hs.5184:AA709151
- 55 F-HEMBA1006031
 F-HEMBA1006035
 F-HEMBA1006036//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.4e-92:617:84//Hs.113283:AF018080
 F-HEMBA1006042//ESTs//6.3e-41:161:81//Hs.41186:R99609

F-HEMBA1006067//ESTs//2.0e-74:354:99//Hs.43321:AI139422
 F-HEMBA1006081
 F-HEMBA1006090//EST//1.2e-12:340:62//Hs.61195:AI418788
 F-HEMBA1006091//ESTs//4.7e-98:473:98//Hs.9658:AA506313
 5 F-HEMBA1006100//ESTs//7.1 e-22:273:73//Hs.144407:AA737799
 F-HEMBA1006108//ESTs, Weakly similar to ZK792.1 [C.elegans]//2.1e-26:273:66//Hs.8763:W30741
 F-HEMBA1006121//EST//0.00012:232:59//Hs.117096:AA677968
 F-HEMBA1006124//EST//0.047:251:62//Hs.132257:AI027222
 F-HEMBA1006130//Human HOX4C mRNA for a homeobox protein//1.0:150:62//Hs.74061:X59372
 10 F-HEMBA1006138//ESTs//1.8e-27:132:84//Hs.141575:AA211734
 F-HEMBA1006142//EST//2.5e-47:310:87//Hs.149580:AI281881
 F-HEMBA1006155
 F-HEMBA1006158//ESTs//5.1e-105:506:98//Hs.93468:N40575
 F-HEMBA1006173//ESTs//2.5e-24:195:84//Hs.79092:H29627
 15 F-HEMBA1006182//ESTs//2.5e-19:237:72//Hs.141840:AA028117
 F-HEMBA1006198//ESTs//0.017:133 :67//Hs.142168:AA292540
 F-HEMBA1006235//Homo sapiens clone 24422 mRNA sequence//8.6e-177:836:98//Hs.109268:AF070557
 F-HEMBA1006248//Human zinc finger protein (MAZ) mRNA//0.0014:221:67//Hs.7647:M94046
 F-HEMBA1006252
 20 F-HEMBA1006253//EST//1.3e-100:467:100//Hs.146619:AI140706
 F-HEMBA1006259//Homo sapiens mRNA for KIAA0798 protein, complete cds//0.00037:158:69//Hs.159277:
 AB018341
 F-HEMBA1006268//ESTs//1.1e-20:376:67//Hs.72814:AA706631
 F-HEMBA1006272//EST//4.8e-20:252:69//Hs.162992:AA688140
 25 F-HEMBA1006278//H.sapiens PAP mRNA//6.5e-57:610:71//Hs.49007:X76770
 F-HEMBA1006283
 F-HEMBA1006284//ESTs//0.00017:248:63//Hs.143840:AI189964
 F-HEMBA1006291
 F-HEMBA1006293
 30 F-HEMBA1006309//Homo sapiens T cell immune response cDNA7 (TIRC7) mRNA, complete cds//0.76:416:58//
 Hs.46465:U45285
 F-HEMBA1006310//Homo sapiens mRNA for KIAA0602 protein, partial cds//9.3e-49:637:68//Hs.37656:AB011174
 F-HEMBA1006328//ESTs//1.8e-71:429:88//Hs.139922:AA281350
 F-HEMBA1006334//EST//0.082:267:57//Hs.136449:AA572789
 35 F-HEMBA1006344//ESTs//6.2e-08:67:94//Hs.42302:AI032142
 F-HEMBA1006347//ESTs, Weakly similar to males-absent on the first [D.melanogaster]//5.3e-76:378:97//Hs.
 22767:N99220
 F-HEMBA1006349//ESTs//0.87:276:60//Hs.23628:H03287
 F-HEMBA1006359//Zinc finger protein 43 (HTF6)//4.4e-117:823:81//Hs.74107:X59244
 40 F-HEMBA1006364//EST//0.0012:168:66//Hs.156756:AI351026
 F-HEMBA1006377//Homo sapiens RalBP1-interacting protein (POB1) mRNA, complete cds//0.0028:422:59//Hs.
 80667:AF010233
 F-HEMBA1006380//Homo sapiens syntaxin 4 binding protein UNC-18c (UNC-18c) mRNA, complete cds//0.41:
 265:61//Hs.8813:AF032922
 45 F-HEMBA1006381//ESTs//3.8e-78:382:98//Hs.132171:AI042531
 F-HEMBA1006398//Human Line-1 repeat mRNA with 2 open reading frames//2.1e-49:395:80//Hs.23094:M19503
 F-HEMBA1006416//EST//7.3e-12:154:77//Hs.134086:AI077477
 F-HEMBA1006419//EST//4.6e-51:179:86//Hs.149580:AI281881
 F-HEMBA1006421//ISLET AMYLOID POLYPEPTIDE PRECURSOR//4.9e-46:517:72//Hs.51048:X68830
 50 F-HEMBA1006424//ESTs//2.7e-08:380:60//Hs.44369:AI206835
 F-HEMBA1006426//ESTs//3.0e-98:465:99//Hs.129251:AA993264
 F-HEMBA1006438//EST//1.3e-29:183:93//Hs.147412:AI209194
 F-HEMBA1006445
 F-HEMBA1006446//EST//0.14:200:59//Hs.160695:AI282889
 55 F-HEMBA1006461//Thiopurine S-methyltransferase//1.4e-29:210:72//Hs.51124:AF019369
 F-HEMBA1006467
 F-HEMBA1006471//ESTs//1.4e-05:391:60//Hs.121282:AI091453
 F-HEMBA1006474//ESTs, Highly similar to 40 KD PROTEIN [Borna disease virus]//1.1e-13:346:63//Hs.31257:

- AA875998
 F-HEMBA1006483//Thromboxane A2 receptor//2.2e-51:386:82//Hs.89887:D38081
 F-HEMBA1006485//EST//5.4e-111:516:99//Hs.61925:AA039532
 F-HEMBA1006486//EST//4.7e-23:286:72//Hs.137800:AA886897
 5 F-HEMBA1006489//ESTs//2.5e-06:137:71//Hs.28621:AA910431
 F-HEMBA1006492
 F-HEMBA1006494//ESTs//8.5e-24:299:72//Hs.153413:AI248625
 F-HEMBA1006497//EST//0.00034:431:61//Hs.130057:AA903389
 F-HEMBA1006502//ESTs//2.6e-11:131:80//Hs.141267:H22072
 10 F-HEMBA1006507//Homo sapiens mRNA for KIAA0666 protein, partial cds//7.3e-141:470:98//Hs.153858:AB014566
 F-HEMBA1006521//ESTs, Weakly similar to 3-oxoacyl-[acyl-carrier protein] reductase [E.coli]//3.9e-98:483:97//Hs.94811:AA011185
 F-HEMBA1006530//EST//1.7e-42:530:71//Hs.163207:AA808002
 15 F-HEMBA1006535//ESTs//2.9e-84:404:98//Hs.128679:AI160081
 F-HEMBA1006540//Homo sapiens multi PDZ domain protein MUPP1 (MUPP1) mRNA, complete cds//4.4e-173:654:98//Hs21301:AF093419
 F-HEMBA1006546//ESTs//2.8e-45:391:78//Hs.146307:AA584638
 F-HEMBA1006559//Homo sapiens KIAA0438 mRNA, complete cds//2.1e-47:363:79//Hs.21490:AB007898
 20 F-HEMBA1006562//ESTs//4.5e-09:116:75//Hs.142368:AI198425
 F-HEMBA1006566//EST//0.85:100:68//Hs.13052:T67136
 F-HEMBA1006569//ESTs//2.7e-06:213:64//Hs.44372:AI346522
 F-HEMBA1006579//EST//0.064:160:62//Hs.126244:AA873479
 F-HEMBA1006583//Homo sapiens Jagged 2 mRNA, complete cds//1.7e-07:533:60//Hs.106387:AF029778
 25 F-HEMBA1006595//Small inducible cytokine A5 (RANTES)//6.8e-69:328:81//Hs.155464:AF088219
 F-HEMBA1006597//Homo sapiens mRNA for KIAA0752 protein, partial cds//2.6e-38:441:69//Hs.23711:AB018295
 F-HEMBA1006612//ESTs//8.8e-135:668:97//Hs.7942:AA205862
 F-HEMBA1006617//EST//4.6e-31:254:81//Hs.132635:AI032875
 F-HEMBA1006624//ESTs, Weakly similar to HYPOTHETICAL 41.9 KD PROTEIN IN SDS3-THS1 INTERGENIC REGION [S.cerevisiae]//2.5e-75:379:97//Hs.40911:AI391502
 30 F-HEMBA1006631//ESTs//1.4e-126:612:98//Hs.131737:AI343331
 F-HEMBA1006635//EST//0.65:145:63//Hs.104560:AA340589
 F-HEMBA1006639//ESTs, Highly similar to POLYADENYLATE-BINDING PROTEIN [Homo sapiens]//9.1e-27:170:92//Hs.109818:AA411185
 35 F-HEMBA1006643//ESTs, Moderately similar to putative p150 [H.sapiens]//9.7e-05:259:65//Hs.105747:AA505003
 F-HEMBA1006648//Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds//3.9e-28:108:93//Hs.6196:U40282
 F-HEMBA1006652//ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L7 [Drosophila melanogaster]//3.0e-87:452:96//Hs.159574:AA190615
 40 F-HEMBA1006653
 F-HEMBA1006659//Homo sapiens PAC clone DJ0905J08 from 7p12-p14//2.9e-92:438:98//Hs.8173:AC005189
 F-HEMBA1006665//Homo sapiens clone 23892 mRNA sequence//2.8e-18:180:80//Hs.91916:AF035317
 F-HEMBA1006674//Homo sapiens mRNA for nucleolar protein hNop56//1.6e-16:122:90//Hs.5092:Y12065
 45 F-HEMBA1006676
 F-HEMBA1006682//EST//0.12:193:61//Hs.128367:AA974575
 F-HEMBA1006695//ESTs//5.6e-27:110:80//Hs.159510:AA297145
 F-HEMBA1006696//EST//3.2e-12:160:75//Hs.146472:AI128198
 F-HEMBA1006708
 50 F-HEMBA1006709//ESTs//0.69:60:80//Hs.152752:AA643545
 F-HEMBA1006717//ESTs//12.6e-31:286:78//Hs.55573:W37226
 F-HEMBA1006737//ESTs//1.6e-37:189:99//Hs.97490:AA394105
 F-HEMBA1006744//Human mRNA for KIAA0118 gene, partial cds//1.9e-52:360:84//Hs.154326:D42087
 F-HEMBA1006754//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds//2.0e-92:817:78//Hs.129727:AF035587
 55 F-HEMBA1006758//Human mRNA for KIAA0327 protein, complete cds//4.0e-10:576:56//Hs.149323:AB002325
 F-HEMBA1006767//ESTs//1.7e-18:252:72//Hs.141073:W72720
 F-HEMBA1006779//EST//9.1e-26:395:69//Hs.145366:AI252657

EP 1 074 617 A2

F-HEMBA1006780//EST//1.0:93:69//Hs.116946:AA680250
 F-HEMBA1006789//ESTs//0.0060:276:59//Hs.144121:AI369798
 F-HEMBA1006795//Human Line-1 repeat mRNA with 2 open reading frames//4.1e-37:781:64//Hs.23094:M19503
 F-HEMBA1006796//Human clone 23803 mRNA, partial cds//1.4e-07:202:68//Hs.34054:U79298
 5 F-HEMBA1006807//ESTs, Moderately similar to HYPOTHETICAL 46.4 KD PROTEIN T16H12.5 IN CHROMO-SOME III [C.elegans]//4.8e-110:523:98//Hs.125790:AA287723
 F-HEMBA1006821//EST//5.1e-11:246:66//Hs.150542:AI051551
 F-HEMBA1006824//ESTs//1.4e-29:158:98//Hs.127712:AA961624
 F-HEMBA1006832//EST//3.1e-24:277:74//Hs.139357:AA420970
 10 F-HEMBA1006849//ESTs//0.99:332:57//Hs.128993:AA985327
 F-HEMBA1006865
 F-HEMBA1006877//ESTs, Highly similar to HYPOTHETICAL 113.8 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION [Saccharomyces cerevisiae]//2.4e-61:311:97//Hs.127793:W25938
 F-HEMBA1006885//ESTs, Highly similar to HYPOTHETICAL 29.1 KD PROTEIN IN URA7-POL12 INTERGENIC REGION [Saccharomyces cerevisiae]//9.1e-128:805:87//Hs.32376:AA758214
 15 F-HEMBA1006900//EST//6.8e-05:255:63//Hs.163173:AA781592
 F-HEMBA1006914//EST//0.065:366:6211Hs.162914:AA666199
 F-HEMBA1006921//ESTs//2.9e-42:347:82//Hs.159266:AI376989
 F-HEMBA1006926//Human I kappa BR mRNA, complete cds//0.90:545:59//Hs.154764:U16258
 20 F-HEMBA1006929//EST//0.00013:403:61//Hs.162642:AA602539
 F-HEMBA1006936//ESTs//0.00014:60:93//Hs.8737:W22712
 F-HEMBA1006938//ESTs//4.7e-51:256:98//Hs.143651:AI150382
 F-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein//4.4e-92:437:98//Hs.42644:AJ010841
 25 F-HEMBA1006949//H.sapiens mRNA for retrotransposon//6.9e-43:385:76//Hs.6940:Z48633
 F-HEMBA1006973//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//1.8e-144:740:94//Hs.14934:AF004828
 F-HEMBA1006976//H.sapiens mRNA for Gal-beta(1-3/1-4)GlcNAc alpha-2,3-sialyltransferase//1.9e-79:447:89//Hs.75268:X74570
 30 F-HEMBA1006993//ESTs//5.4e-19:380:66//Hs.152635:AA600968
 F-HEMBA1006996//ESTs//0.17:242:59//Hs.106879:AA054723
 F-HEMBA1007002
 F-HEMBA1007017//EST//1.0:59:72//Hs.113400:R39282
 F-HEMBA1007018//Homo sapiens dynein light intermediate chain 2 (LIC2) mRNA, complete cds//2.5e-78:827:70//Hs.43003:AF035812
 35 F-HEMBA1007045
 F-HEMBA1007051//EST//0.85:65:73//Hs.158641:AI370659
 F-HEMBA1007052
 F-HEMBA1007062
 40 F-HEMBA1007066//ESTs//0.94:160:63//Hs.56071:W52212
 F-HEMBA1007073//ESTs//3.6e-50:246:80//Hs.142678:H37845
 F-HEMBA1007078//Human arginine-rich nuclear protein mRNA, complete cds//6.7e-75:417:91//Hs.80510:M74002
 F-HEMBA1007080
 45 F-HEMBA1007085//Guanylate cyclase 2D, membrane (retina-specific)//1.3e-06:568:61//Hs.1974:M92432
 F-HEMBA1007087//Human mevalonate pyrophosphate decarboxylase (MPD) mRNA, complete cds//0.95:541:57//Hs.3828:U49260
 F-HEMBA1007112//ESTs//3.4e-104:494:98//Hs.19207:AA039595
 F-HEMBA1007113//ESTs//0.71:246:62//Hs.96235:AA196354
 50 F-HEMBA1007121//ESTs//3.5e-69:335:98//Hs.140519:AA643182
 F-HEMBA1007129
 F-HEMBA1007147//ESTs//3.2e-07:235:641//Hs.124813:W46172
 F-HEMBA1007149//ESTs//7.2e-08:161:68//Hs.121179:AA757136
 F-HEMBA1007151
 55 F-HEMBA1007174//Homo sapiens epsin 2b mRNA, complete cds//6.6e-64:318:97//Hs.22396:AF062085
 F-HEMBA1007178//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.2e-39:248:90//Hs.157148:AA311921
 F-HEMBA1007194//ESTs//2.3e-107:503:99//Hs.100605:AA305965

EP 1 074 617 A2

F-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds//5.6e-158:478:98//Hs.3363:D86987
F-HEMBA1007206//EST//0.23:119:66//Hs.144402:AA609252
F-HEMBA1007224//Homo sapiens mRNA for KIAA0797 protein, partial cds//1.6e-177:839:98//Hs.27197:AB018340
5 F-HEMBA1007243//Hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)//2.7e-56:647:69//Hs.82314:M31642
F-HEMBA1007251//Human plectin (PLEC1) mRNA, complete cds//0.19:210:67//Hs.79706:U53204
F-HEMBA1007256//Homo sapiens clone 24407 mRNA sequence//1.0:144:6411Hs.12432:AF070575
10 F-HEMBA1007267//Human homolog of yeast mutL (hPMS1) gene, complete cds//0.99:239:60//Hs.111749:U13695
F-HEMBA1007273//ESTs//5.6e-24:271:73//Hs.144951:N34836
F-HEMBA1007279//ESTs//6.1e-36:185:78//Hs.141022:H06475
F-HEMBA1007281//ESTs//0.74:94:65//Hs.162533:AA584529
15 F-HEMBA1007288//EST//0.83:99:67//Hs.127878:AA968637
F-HEMBA1007300//EST//3.6e-62:355:91//Hs.150139:AI300062
F-HEMBA1007301//Collagen, type I, alpha 1//1.5e-09:406:61//Hs.111913:Z74615
F-HEMBA1007319//EST//0.0068:50:96//Hs.163362:AA890506
F-HEMBA1007320//ESTs//1.0:133:66//Hs.38032:N63634
20 F-HEMBA1007322//ESTs//0.0077:187:66//Hs.4852:R84241
F-HEMBA1007327//ESTs, Weakly similar to HOST CELL FACTOR C1 [H.sapiens]//3.5e-09:144:76//Hs.20597:W58370
F-HEMBA1007341//ESTs//7.5e-61:302:98//Hs.154944:AA494130
F-HEMBA1007342//ESTs//2.9e-12:289:64//Hs.135555:AA911006
25 F-HEMBA1007347//EST//0.44:89:70//Hs.65949:Z40561
F-HEMBA1000005//ESTs//1.6e-07:337:60//Hs.126718:AA916568
F-HEMBA1000008//H.sapiens mRNA for translin associated protein X//1.1e-43:370:78//Hs.96247:X95073
F-HEMBA1000018//Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)//1.0:108:70//Hs.83428:M58603
30 F-HEMBA1000024//EST//5.4e-07:137:70//Hs.125389:AA878307
F-HEMBA1000025//EST//0.99:362:58//Hs.121221:AA757392
F-HEMBA1000030//H.sapiens mRNA for cyclin I//1.3e-10:525:62//Hs.3232:Z46788
F-HEMBA1000036
F-HEMBA1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//6.2e-102:450:98//Hs.20815:AF084928
35 F-HEMBA1000039//EST//0.0034:97:73//Hs.141684:W35358
F-HEMBA1000044//ESTs//0.0048:218:63//Hs.123161:AA807319
F-HEMBA1000048//EST//0.00025:222:62//Hs.122474:AA765131
F-HEMBA1000050//ESTs//5.6e-28:293:75//Hs.136839:H93717
40 F-HEMBA1000054//Human Line-1 repeat mRNA with 2 open reading frames//3.3e-54:259:88//Hs.23094:M19503
F-HEMBA1000055//ESTs//0.0017:289:62//Hs.125755:AA286923
F-HEMBA1000059//Homo sapiens mRNA for KIAA0761 protein, partial cds//5.9e-59:286:84//Hs.93121:AB018304
F-HEMBA1000083
F-HEMBA1000089//EST//0.0016:192:661//Hs.137093:AA917621
45 F-HEMBA1000099//ESTs//5.7e-20:213:76//Hs.57883:AA218645
F-HEMBA1000103//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//4.9e-43:418:74//Hs.103948:K00627
F-HEMBA1000113//EST//4.6e-23:221:76//Hs.142065:AA173763
F-HEMBA1000119//Homo sapiens ASMTL gene//2.5e-132:621:98//Hs.6315:Y15521
F-HEMBA1000136//ESTs//12.3e-101:507:96//Hs.12659:AA195207
50 F-HEMBA1000141//ESTs//2.1e-15:283:69//Hs.126257:AI279044
F-HEMBA1000144//EST//4.5e-52:298:91//Hs.149580:AI281881
F-HEMBA1000173//Zinc finger protein 74 (Cos52)//2.4e-63:285:82//Hs.3057:X92715
F-HEMBA1000175//EST//1.0:101:65//Hs.162898:AA659646
F-HEMBA1000198//EST//0.99:179:56//Hs.116880:AA662457
55 F-HEMBA1000215//Homo sapiens mRNA for KIAA0557 protein, partial cds//1.4e-15:139:82//Hs.101414:AB011129
F-HEMBA1000217//ESTs//3.4e-06:81:88//Hs.121151:T66277
F-HEMBA1000218//EST//0.11:136:63//Hs.134683:AI092013

EP 1 074 617 A2

F-HEMBB1000226//Fragile X mental retardation 1//0.99:126:65//Hs.89764:X69962
 F-HEMBB1000240//H.sapiens mRNA for Nup88 protein//1.0:334:57//Hs.90734:Y08612
 F-HEMBB1000244//ESTs//3.2e-15:139:81//HS.134549:AI078483
 5 F-HEMBB1000250//Homo sapiens protein associated with Myc mRNA, complete cds//2.1e-156:735:981//Hs.151411:AF075587
 F-HEMBB1000258//EST//0.0091:325:60//Hs.97533:AA435884
 F-HEMBB1000264//Human CHL1 potential helicase (CHLR1), complete cds//1.4e-33:100:100//Hs.27424:U75968
 F-HEMBB1000266//Homo sapiens mRNA for myosin phosphatase target subunit 1 (MYPT1)//0.0019:373:60//Hs.16533:D87930
 10 F-HEMBB1000272//ESTs//1.3e-93:440:99//Hs.I09224:N46684
 F-HEMBB1000274//ESTs//0.41:221:65//Hs.71990:AA151796
 F-HEMBB1000284//EST//0.00024:108:73//Hs.100725:F13689
 F-HEMBB1000307//EST//3.6e-10:149:73//Hs.140415:AA778574
 F-HEMBB1000312//Homo sapiens mRNA for KIAA0783 protein, complete cds//0.00092:252:65//Hs.41153:AB018326
 15 F-HEMBB1000317//Thrombospondin 1//7.1e-05:342:59//Hs.87409:X14787
 F-HEMBB1000318//EST//0.014:184:61//Hs.155758:AI311870
 F-HEMBB1000335//EST//0.99:187:63//Hs.137424:AA243729
 F-HEMBB1000336//EST//1.0:209:63//Hs.150410:AI003611
 20 F-HEMBB1000337//EST//0.086:133:66//Hs.128207:AA972330
 F-HEMBB1000338//EST//7.1e-07:129:72//Hs.140488:AA767127
 F-HEMBB1000339//Small inducible cytokine A5 (RANTES)//1.2e-36:336:761//Hs.155464:AF088219
 F-HEMBB1000341
 F-HEMBB1000343//EST//0.66:163:63//Hs.150822:AI302729
 25 F-HEMBB1000354//ESTs//7.e-61:292:100//Hs.152266:AA926874
 F-HEMBB1000369//ESTs, Highly similar to t-BOP [M.musculus]/10.013:157:64//Hs.129982:AI420970
 F-HEMBB1000374//ESTs//8.7e-53:454:79//Hs.133518:R69934
 F-HEMBB1000376//ESTs//5.9e-14:87:97//Hs.163973:AA744348
 F-HEMBB1000391//ESTs//0.033:237:64//Hs.135289:AI092963
 30 F-HEMBB1000399//Homo sapiens mRNA for cell cycle checkpoint protein//9.4e-165:762:98//Hs.16184:AJ001642
 F-HEMBB1000402//EST//0.013:291:59//Hs.149191:AI246155
 F-HEMBB1000404//ESTs//3.0e-69:353:96//Hs.135857:AA947194
 F-HEMBB1000420//EST//6.3e-52:258:98//Hs.136434:AA557925
 F-HEMBB1000434//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//9.4e-73:364:83//Hs.129735:AF010144
 35 F-HEMBB1000438//ESTs//0.073:446:58//Hs.134632:AI223429
 F-HEMBB1000441//Interleukin 10//1.7e-38:336:77//Hs.2180:M57627
 F-HEMBB1000449//EST//5.5e-21:356:671//Hs.157848:AI362501
 F-HEMBB1000455//ESTs//0.092:147:65//Hs.106446:N93227
 40 F-HEMBB1000472
 F-HEMBB1000480//EST//0.98:83:71//Hs.146462:AI124898
 F-HEMBB1000487//ESTs//1.4e-59:341:92//Hs.48561:N79206
 F-HEMBB1000490//ESTs//2.5e-27:200:79//Hs.56825:AI057560
 F-HEMBB1000491
 45 F-HEMBB1000493//ESTs//0.019:103:69//Hs.138358:T66178
 F-HEMBB1000510//Glucocorticoid receptor alpha (alternative products)//1.6e-46:409:77//Hs.102761:U25029
 F-HEMBB1000518//ESTs//3.7e-06:187:64//Hs.140989:R68413
 F-HEMBB1000523//ESTs//0.69:332:59//Hg.106845:W19543
 F-HEMBB1000530//H.sapiens mRNA for extracellular matrix protein collagen type XIV, C-terminus//2.1e-38:138:96//Hs.36131:Y11710
 50 F-HEMBB1000550//ESTs, Weakly similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]/7.7e-31:554:67//Hs.157142:U85996
 F-HEMBB1000554//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//4.0e-27:282:75//Hs.158095:AB007953
 55 F-HEMBB1000556//Homo sapiens mRNA for KIAA0750 protein, complete cds//2.0e-33:537:65//Hs.5444:AB018293
 F-HEMBB1000564
 F-HEMBB1000573//H.sapiens HCG II mRNA//7.5e-27:197:76//Hs.146333:X81001

F-HEMBB1000575//Von Hippel-Lindau syndrome//2.7e-72:255:79//Hs.78160:AF010238
 F-HEMBB1000586//Dystrophin (muscular dystrophy, Duchenne and Becker types), includes DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272//0.011:338:59//Hs.79012:M18533
 F-HEMBB1000589//PLATELET GLYCOPROTEIN V PRECURSOR//2.4e-22:228:79//Hs.73734:Z23091
 5 F-HEMBB1000591//ESTs//1.0e-17:370:64//Hs.58156:W71990
 F-HEMBB1000592//EST//0.0038:51:88//Hs.148022:AI269323
 F-HEMBB1000593//Homo sapiens chromosome 7q22 sequence//4.7e-109:503:99//Hs.3386:AF053356
 F-HEMBB1000598//Ribosomal protein L5//3.5e-29:537:66//Hs.118781:U66589
 F-HEMBB1000623//H.sapiens mRNA for GAIP protein//0.89:376:59//Hs.22698:X91809
 10 F-HEMBB1000630//Homo sapiens KIAA0404 mRNA, partial cds//0.074:168:61//Hs.105850:AB007864
 F-HEMBB1000631//ESTs//1.7e-06:247:64//Hs.156864:AI346481
 F-HEMBB1000632//Human mRNA for KIAA0351 gene, complete cds//5.1e-50:811:65//Hs.29963:AB002349
 F-HEMBB1000637//Sialoporphin (gpL115, leukosialin, CD43)//2.4e-79:304:85//Hs.80738:X52075
 F-HEMBB1000638//EST//0.0076:92:75//Hs.125496:AA883735
 15 F-HEMBB1000643//ISLET AMYLOID POLYPEPTIDE PRECURSOR//3.5e-45:477:74//Hs.51048:X68830
 F-HEMBB1000649//Homo sapiens histone H2A.1b mRNA, complete cds//7.4e-52:533:75//Hs.51011:L19778
 F-HEMBB1000652//ESTs//1.6e-49:345:84//Hs.132722:AA618531
 F-HEMBB1000665//EST//0.44:152:63//Hs.149534:AI280924
 F-HEMBB1000671//Human Line-1 repeat mRNA with 2 open reading frames//2.2e-79:280:85//Hs.23094:M19503
 20 F-HEMBB1000673//ESTs//0.99:177:59//Hs.149864:N80474
 F-HEMBB1000684//Protein kinase, interferon-inducible double stranded RNA dependent//2.6e-31:220:87//Hs.73821:M35663
 F-HEMBB1000693//Homo sapiens neuroanl mRNA, complete cds//5.3e-120:575:97//Hs.158300:AF040723
 F-HEMBB1000705//ESTs//4.7e-65:350:94//Hs.24610:R33125
 25 F-HEMBB1000706//EST//8.6e-14:373:61//Hs.138281:RS5703
 F-HEMBB1000709//EST//0.99:110:651//Hs.162437:AA577510
 F-HEMBB1000725//RAS-RELATED PROTEIN RAB-8//1.7e-77:635:77//Hs.123109:X56741
 F-HEMBB1000726//EST//1.3e-43:257:84//Hs.162197:AA535216
 F-HEMBB1000738//EST//5.9e-13:259:64//Hs.159699:AI417328
 30 F-HEMBB1000749//EST//3.1e-42:271:871//Hs.162197:AA535216
 F-HEMBB1000763
 F-HEMBB1000770//ESTs, Weakly similar to MOESIN/EZRIN/RADIXIN HOMOLOG [D.melanogaster]//0.021:111:72//Hs.38178:AA921830
 F-HEMBB1000774//ESTs, Weakly similar to mTERF [H.sapiens]//2.5 e-116:580:97//Hs.5009:AA081390
 35 F-HEMBB1000781//Human MEK kinase 3 mRNA, complete cds//5.3e-47:426:74//Hs.86201:U78876
 F-HEMBB1000789//Homosapiens mRNA for KIAA0677 protein, complete cds//3.0e-65:672:71//Hs.155983:AB014577
 F-HEMBB1000790//ESTs//1.2e-52:344:86//Hs.35254:AI133727
 F-HEMBB1000794//ESTs//0.00098:289:59//Hs.138782:N73572
 40 F-HEMBB1000807//ESTs//2.1e-91:434:99//Hs.61334:AI298375
 F-HEMBB1000810//ESTs//0.038:92:71//Hs.148763:AA66887
 F-HEMBB1000821//EST//0.94:129:62//Hs.162299:AA555154
 F-HEMBB1000822//ESTs//7.5e-05:199:63//Hs.117018:AA832421
 F-HEMBB1000826//ESTs//4.8e-13:343:65//Hs.153429:AI283069
 45 F-HEMBB1000827
 F-HEMBB1000831
 F-HEMBB1000835//EST//4.3e-27:201:851//Hs.141451:N29915
 F-HEMBB1000840//EST//6.3e-75:380:96//Hs.142557:AA464948
 F-HEMBB1000848//Human Line-1 repeat mRNA with 2 open reading frames//1.4e-135:875:85//Hs.23094:M19503
 50 F-HEMBB1000852//Phosphoribosyl pyrophosphate amidotransferase//0.12:292:61//Hs.311:U00238
 F-HEMBB1000870//EST//0.00091:246:62//Hs.126502:AA913831
 F-HEMBB1000876//Homo sapiens ELISC-1 mRNA, partial cds//4.9e-34:200:94//Hs.128434:AF085351
 F-HEMBB1000883//ESTs//0.42:107:67//Hs.154173:AI379823
 55 F-HEMBB1000887
 F-HEMBB1000888//ESTs//1.0:137:67//Hs.8121:AA521290
 F-HEMBB1000890//ESTs//1.0:116:65//Hs.7105:T23433
 F-HEMBB1000893//EST//0.0079:408:58//Hs.146504:AI129834

F-HEMBB1000908//EST//9.2e-21:205:79//Hs.132635:AI032875
 F-HEMBB1000910//Human mRNA for KIAA0231 gene, partial cds//0.16:327:60//Hs.7938:D86984
 F-HEMBB1000913//ESTs//1.0e-12:233:68//Hs.137545:AA487049
 F-HEMBB1000915//ESTs//2.5e-90:423:99//Hs.135254:AI095468
 5 F-HEMBB1000917//EST//2.8e-49:241:100//Hs.162216:AA548089
 F-HEMBB1000927//Hippocalcin//1.2e-31:528:65//Hs.89692:D16593
 F-HEMBB1000947
 F-HEMBB1000959//Cytochrome P450, 51 (lanosterol 14-alpha-demethylase)//9.3e-48:572:72//Hs.2379:U23942
 F-HEMBB1000973//ESTs//4.5e-26:286:76//Hs.137393:AA142938
 10 F-HEMBB1000975//ESTs//0.78:180:66//Hs.104789:AA417124
 F-HEMBB1000981
 F-HEMBB1000985//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//6.7e-07:308:62//Hs.122967:AF059569
 F-HEMBB1000991//EST//0.12:125:66//Hs.22945:R43713
 15 F-HEMBB1000996//ESTs//6.9e-05:273:63//Hs.133116:AI054055
 F-HEMBB1001004//Homo sapiens mRNA for KIAA0665 protein, complete cds//0.62:193:62//Hs.119004:AB014565
 F-HEMBB1001008//EST//4.7e-09:203:65//Hs.105221:AA489025
 F-HEMBB1001011//Human Chromosome 16 BAC clone CIT987SK-A-635H12//2.4e-17:384:67//Hs.108604:AC002310
 20 F-HEMBB1001014//EST, Weakly similar to putative p150 [H.sapiens]//0.21:284:60//Hs.161547:W04991
 F-HEMBB1001020//ESTs//9.7e-37:186:76//Hs.138852:AA284247
 F-HEMBB1001024//ESTs, Highly similar to t-BOP [M.musculus]//0.11:242:61//Hs.129982:AI420970
 F-HEMBB1001037//EST//0.0057:192:66//Hs.149987:AI291177
 25 F-HEMBB1001047//ESTs//1.6e-22:360:70//Hs.120734:W58721
 F-HEMBB1001051//H.sapiens mRNA for FAN protein//3.8e-29:160:98//Hs.78687:X96586
 F-HEMBB1001056//Homo sapiens mRNA for KIAA0618 protein, complete cds//1.0e-42:149:96//Hs.15832:AB014518
 F-HEMBB1001058//Small inducible cytokine A5 (RANTES)//1.1e-45:349:82//Hs.155464:AF088219
 30 F-HEMBB1001060//ESTs//1.6e-62:464:81//Hs.138663:N24942
 F-HEMBB1001063
 F-HEMBB1001068//Homo sapiens liprin-beta2 mRNA, partial cds//9.9e-148:736:95//Hs.12953:AF034803
 F-HEMBB1001096//EST//0.017:154:66//Hs.130403:AA909272
 F-HEMBB1001102//ESTs//2.1e-18:120:95//Hs.163767:R06293
 35 F-HEMBB1001105//Human BRCA2 region, mRNA sequence
 CG016//0.30:84:75//Hs.112434:U50529
 F-HEMBB1001112//ESTs, Highly similar to PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT [Canis familiaris]//9.3e-38:341:77//Hs.14038:R06800
 F-HEMBB1001114//EST//6.4e-07:296:62//Hs.128420:AA975062
 40 F-HEMBB1001117//EST//1.6e-99:464:99//Hs.130493:AA928139
 F-HEMBB1001119
 F-HEMBB1001126
 F-HEMBB1001133//H.sapiens mRNA for translin associated protein X//1.2e-28:739:61//Hs.96247:X95073
 F-HEMBB1001137
 45 F-HEMBB1001142//Human mRNA for KIAA0331 gene, complete cds//2.1e-23:340:69//Hs.146395:AB002329
 F-HEMBB1001151//ESTs//2.6e-30:252:79//Hs.6880:W26854
 F-HEMBB1001153//ESTs//7.6e-16:97:96//Hs.113307:H16716
 F-HEMBB1001169//ESTs//1.4e-32:374:71//Hs.161682:AA206863
 F-HEMBB1001175//Human mRNA for ankyrin motif, complete cds//7.1e-36:509:66//Hs.73073:D78334
 50 F-HEMBB1001177//ESTs, Weakly similar to HYPOTHETICAL TRP-ASP REPEATS CONTAINING PROTEIN IN HXT14-PHA2 INTERGENIC REGION [S.cerevisiae]//1.5e-65:312:100//Hs.86878:AA599183
 F-HEMBB1001182//Electron-transfer-flavoprotein, beta polypeptide//0.94:199:64//Hs.74047:X71129
 F-HEMBB1001199
 F-HEMBB1001208//ESTs//0.12:120:69//Hs.130093:AA928802
 55 F-HEMBB1001209//EST//0.00028:215:65//Hs.118276:W15258
 F-HEMBB1001210//EST//2.9e-05:297:60//Hs.88840:AA281452
 F-HEMBB1001218//Homo sapiens mRNA for KIAA0585 protein, partial cds//8.5e-37:260:76//Hs.72660:AB011157
 F-HEMBB1001221//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0507//0.00046:650:58//Hs.

- 158241:AB007976
 F-HEM BB1001234//ESTs, Highly similar to 65 KD YES-ASSOCIATED PROTEIN [Mus musculus]//6.7e-103:477:100//Hs.127835:AI378790
 F-HEM BB1001242//Homo sapiens mRNA for LAK-1, complete cds//1.2e-31:458:67//Hs.129918:AB005754
 5 F-HEM BB1001249//EST//0.26:203:63//Hs.140791:AA935909
 F-HEM BB1001253//ESTs//4.0e-91:433:98//Hs.120636:AA325219
 F-HEM BB1001254//ESTs//2.0e-24:180:85//Hs.136391:H04977
 F-HEM BB1001267//Ataxia telangiectasia mutated (includes complementation groups A, C and D)//6.1e-24:146:78//Hs.51187:U82828
 10 F-HEM BB1001271//ESTs//2.5e-05:686:58//Hs.115423:AI359248
 F-HEM BB1001282//GA-binding protein transcription factor, beta subunit 2 (47kD)//0.39:531:57//Hs.78915:U13045
 F-HEM BB1001288//ESTs, Highly similar to HYPOTHETICAL 27.3 KD PROTEIN ZK353.7 IN CHROMOSOME III [Caenorhabditis elegans]//4.9e-10:91:89//Hs.16606:W81021
 15 F-HEM BB1001289//ESTs//6.4e-100:467:99//Hs.151720:AI287890
 F-HEM BB1001294//ESTs, Highly similar to RAS-LIKE PROTEIN TC10 [Homo sapiens]//1.3e-135:654:98//Hs.124217:AA020848
 F-HEM BB1001302
 F-HEM BB1001304//ESTs//0.98:109:68//Hs.138972:AA047725
 20 F-HEM BB1001314//ESTs//7.4e-39:285:77//Hs.144749:AI217339
 F-HEM BB1001315//Small inducible cytokine A5 (RANTES)//1.9e-40:355:78//Hs.155464:AF088219
 F-HEM BB1001317//Human Line-1 repeat mRNA with 2 open reading frames//4.7e-98:625:85//Hs.23094:M19503
 F-HEM BB1001326//ESTs//0.00030:257:63//Hs.62208:H12380
 F-HEM BB1001331//ESTs, Weakly similar to DFS70 [H.sapiens]//1.0e-48:332:87//Hs.43071:AA206222
 25 F-HEM BB1001335
 F-HEM BB1001337//Homo sapiens mRNA for KIAA0563 protein, complete cds//8.5e-56:282:87//Hs.15731:AB011135
 F-HEM BB1001339//Homo sapiens antigen NY-CO-16 mRNA, complete cds//0.039:161:65//Hs.132206:AF039694
 F-HEM BB1001346//Oxytocin receptor//4.2e-42:456:73//Hs.2820:X64878
 30 F-HEM BB1001348//Homo sapiens mRNA for KIAA0570 protein, complete cds//1.2e-45:176:77//Hs.114293:AB011142
 F-HEM BB1001356//EST//0.32:292:59//Hs.135771:AI005648
 F-HEM BB1001364
 F-HEM BB1001366//EST//7.8e-24:367:69//Hs.138765:N70347
 35 F-HEM BB1001367//Small inducible cytokine A5 (RANTES)//8.7e-50:326:86//Hs.155464:AF088219
 F-HEM BB1001369//EST//0.17:211:63//Hs.120066:AA707973
 F-HEM BB1001380//Homo sapiens mRNA for KIAA0527 protein, partial cds//8.2e-36:225:79//Hs.129748:AB011099
 F-HEM BB1001384
 40 F-HEM BB1001387//ESTs//0.61:215:60//Hs.145915:AI342230
 F-HEM BB1001394//Human Line-1 repeat mRNA with 2 open reading frames//3.8e-94:568:83//Hs.23094:M19503
 F-HEM BB1001410//Homo sapiens keratan sulfate proteoglycan mRNA, complete cds//0.021:373:58//Hs.125750:AF065988
 F-HEM BB1001424//EST//0.20:307:58//Hs.135336:AI049827
 45 F-HEM BB1001426//Homo sapiens clone 23579 mRNA sequence//8.3e-17:205:72//Hs.83466:AF038174
 F-HEM BB1001429//ESTs, Highly similar to CYTOSOL AMINOPEPTIDASE [Bos taurus]//5.5e-153:729:96//Hs.21679:AF034175
 F-HEM BB1001436//Human mRNA for KIAA0347 gene, complete cds//1.2e-44:316:85//Hs.101996:AB002345
 F-HEM BB1001443
 50 F-HEM BB1001449//Homo sapiens sodium bicarbonate cotransporter (HNBC1) mRNA, complete cds//0.033:478:58//Hs.5462:AF007216
 F-HEM BB1001454//ESTs//1.4e-46:279:93//Hs.104866:AA426038
 F-HEM BB1001458//EST//1.7e-09:106:83//Hs.141422:N20920
 F-HEM BB1001463//Homo sapiens mRNA for semaphorin E, complete cds//0.18:387:59//Hs.62705:AB000220
 55 F-HEM BB1001464//Homo sapiens Coch-5B2 mRNA, complete cds//0.26:189:67//Hs.21016:AF006740
 F-HEM BB1001482//Homo sapiens mRNA for KIAA0760 protein, partial cds//1.2e-27:292:74//Hs.137168:AB018303
 F-HEM BB1001500//ESTs//8.1e-28:312:74//Hs.18498:N52088

F-HEM BB1001521//Homo sapiens mRNA for alpha(1,2)fucosyltransferase, complete cds//8.8e-54:359:74//Hs.
 46328:D87942
 F-HEM BB1001527//Protein tyrosine phosphatase, receptor type, I polypeptide//1.0:198:63//Hs.75216:Y00815
 F-HEM BB1001531//ESTs//4.3e-33:403:75//Hs.44862:N38735
 5 F-HEM BB1001535//ESTs//0.0029:47:93//Hs.124864:AA663093
 F-HEM BB1001536//ESTs//0.0047:120:68//Hs.144858:R67748
 F-HEM BB1001537//ESTs, Weakly similar to eukaryotic initiation factor eIF-2 alpha kinase [D.melanogaster]//3.7e-
 20:297:73//Hs.42457:AA523306
 F-HEM BB1001555//Human ring zinc-finger protein (ZNF127-Xp) gene and 5' flanking sequence//1.1e-35:188:77//
 10 Hs.102877:U41315
 F-HEM BB1001562//ESTs//0.95:161:61//Hs.145075:AI208240
 F-HEM BB1001564//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//3.4e-49:526:73//Hs.
 158095:AB007953
 F-HEM BB1001565//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.9e-44:324:84//Hs.113283:AF018080
 15 F-HEM BB1001585
 F-HEM BB1001586//EST//0.84:132:64//Hs.145264:AI218708
 F-HEM BB1001588//Human clone 23695 mRNA sequence//6.6e-20:327:67//Hs.90798:U79289
 F-HEM BB1001603//ESTs//1.3e-12:84:96//Hs.13380:R60414
 F-HEM BB1001618//ESTs//4.4e-11:349:63//Hs.132046:AA693680
 20 F-HEM BB1001619//ESTs//2.1e-06:246:63//Hs.63428:AA058314
 F-HEM BB1001630//EST//1.4e-07:334:62//Hs.145698:AI266713
 F-HEM BB1001635//ESTs//0.92:282:60//Hs.126980:AA934077
 F-HEM BB1001637//ELK1, member of ETS oncogene family//1.1e-27:395:64//Hs.116549:AL009172
 F-HEM BB1001641//EST//0.11:53:81//Hs.112445:AA594279
 25 F-HEM BB1001653//EST//0.91:124:64//Hs.144213:T40480
 F-HEM BB1001665//Human mRNA for apolipoprotein E receptor 2, complete cds//7.0e-13:473:63//Hs.54481:
 D86407
 F-HEM BB1001668//ESTs//0.94:83:69//Hs.146202:AI252519
 F-HEM BB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds//2.3e-172:803:98//Hs.24439:
 30 AB014546
 F-HEM BB1001684//ESTs, Highly similar to Tbc1 [M.musculus]//5.4e-20:110:100//Hs.106104:AA599496
 F-HEM BB1001685//EST//2.2e-05:112:73//Hs.130984:AI015430
 F-HEM BB1001695//Human novel homeobox mRNA for a DNA binding protein//1.6e-08:425:62//Hs.37035:U07664
 F-HEM BB1001704//EST//5.8e-20:295:69//Hs.140231:AI054398
 35 F-HEM BB1001706
 F-HEM BB1001707//EST//0.091:241:60//Hs.136830:AA769219
 F-HEM BB1001717//ESTs//2.9e-06:325:60//Hs.150063:AI298064
 F-HEM BB1001735//Small inducible cytokine A5 (RANTES)//3.2e-46:326:83//Hs.155464:AF088219
 F-HEM BB1001736//ESTs, Weakly similar to E04D5.1 [C.elegans]//5.4e-99:485:97//Hs.120581:W25578
 40 F-HEM BB1001747//ESTs//8.3e-87:421:98//Hs.137051:AA884244
 F-HEM BB1001749//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//3.5e-75:315:83//Hs.
 129735:AF010144
 F-HEM BB1001753//ESTs//0.00013:35:100//Hs.139643:H06263
 F-HEM BB1001756//ESTs//2.3e-89:433:98//Hs.128868:AA931077
 45 F-HEM BB1001760//ESTs//6.5e-06:503:58//Hs.21766:AI357639
 F-HEM BB1001762//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0507//2.9e-13:498:60//Hs.
 158241:AB007976
 F-HEM BB1001785//EST//0.16:262:60//Hs.162526:AA584102
 F-HEM BB1001797//ESTs//0.37:201:63//Hs.91559:AA806370
 50 F-HEM BB1001802//ESTs//1.6e-06:447:58//Hs.134672:AI087951
 F-HEM BB1001812//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//1.3e-54:311:81//Hs.
 92381:AB007956
 F-HEM BB1001816//ESTs//2.2e-39:302:84//Hs.35985:AA783017
 F-HEM BB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds//7.6e-
 164:763:98//Hs.159396:AF056209
 55 F-HEM BB1001834//TRICHOHYALIN//7.1e-05:548:60//Hs.82276:L09190
 F-HEM BB1001836//Human mRNA for KIAA0033 gene, partial cds//4.0e-34:272:86//Hs.22271:D26067
 F-HEM BB1001839//Pyruvate carboxylase//0.050:686:59//Hs.89890:S72370

EP 1 074 617 A2

F-HEMBB1001850//EST//0.0035:204:61//Hs.7311:T23858
 F-HEMBB1001863//Small inducible cytokine A5 (RANTES)//3.0e-48:357:82//Hs.155464:AF088219
 F-HEMBB1001867//ESTs//2.2e-40:265:88//Hs.146323:AI251752
 F-HEMBB1001868//ESTs//5.2e-06:131:73//Hs.123362:AA811371
 5 F-HEMBB1001869//ESTs//1.0e-86:429:96//Hs.141208:AA825503
 F-HEMBB1001872
 F-HEMBB1001874//H.sapiens mRNA for CHD5 protein//0.0033:388:60//Hs.19923:Y12478
 F-HEMBB1001875//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein)//0.32:346:60//Hs.100555:X98743
 10 F-HEMBB1001880//EST//4.0e-28:171:92//Hs.151194:AI125868
 F-HEMBB1001899//ESTs//0.17:242:62//Hs.136969:AA830918
 F-HEMBB1001905
 F-HEMBB1001906//ESTs//5.6e-49:290:92//Hs.127298:H09155
 F-HEMBB1001908//Human monocytic leukaemia zinc finger protein (MOZ) mRNA, complete cds//1.2e-83:672:81//Hs.82210:U47742
 15 F-HEMBB1001910//EST, Weakly similar to albumin [H.sapiens]//0.047:206:62//Hs.159777:Z19955
 F-HEMBB1001911
 F-HEMBB1001915//ESTs//0.92:136:71//Hs.144465:R68882
 F-HEMBB1001921//EST//2.0e-19:398:67//Hs.44789:N36113
 20 F-HEMBB1001922//ESTs//4.3e-05:370:59//Hs.123669:AA805245
 F-HEMBB1001925//ESTs//5.7e-27:329:71//Hs.141071:H16398
 F-HEMBB1001930//EST//0.043:157:63//Hs.161927:AA483904
 F-HEMBB1001944//Human mRNA for KIAA0118 gene, partial cds//5.7e-55:444:80//Hs.154326:D42087
 F-HEMBB1001945//ESTs//1.1e-19:142:88//Hs.7341:N57875
 25 F-HEMBB1001947//Human mRNA for KIAA0392 gene, partial cds//1.8e-21:333:66//Hs.40100:AB002390
 F-HEMBB1001950//Homo sapiens Notch3 (NOTCH3) mRNA, complete cds//0.020:384:60//Hs.8546:U97669
 F-HEMBB1001952//EST//7.0e-13:302:63//Hs.120089:AA708101
 F-HEMBB1001953//ATL-derived PMA-responsive (APR) peptide//0.97:252:60//Hs.96:D90070
 F-HEMBB1001957//ESTs//6.1e-32:446:67//Hs.51305:T47418
 30 F-HEMBB1001962//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//2.3e-31:390:70//Hs.1361:M55053
 F-HEMBB1001967//H.sapiens mRNA for urea transporter//9.7e-52:322:88//Hs.66710:X96969
 F-HEMBB1001973//Myelin oligodendrocyte glycoprotein {alternative products}//2.1e-48:426:78//Hs.53217:Z48051
 35 F-HEMBB1001983
 F-HEMBB1001988//ESTs//6.5e-05:237:63//Hs.49760:AA741051
 F-HEMBB1001990//ESTs//0.25:171:64//Hs.7961:AA401205
 F-HEMBB1001996//ESTs//1.8e-19:436:65//Hs.125539:AI339103
 F-HEMBB1001997//EST//5.3e-33:294:76//Hs.161041:H82636
 40 F-HEMBB1002002//ESTs//1.9e-06:224:67//Hs.110915:AA132964
 F-HEMBB1002005//ESTs//5.8e-17:170:78//Hs.141825:AA017093
 F-HEMBB1002009//ESTs//0.066:441:58//Hs.125313:AI201685
 F-HEMBB1002015//EST//2.3e-18:310:68//Hs.145899:AI274951
 F-HEMBB1002042//CYTOCHROME P450 IVB1//2.9e-11:446:62//Hs.687:X16699
 45 F-HEMBB1002043//ESTs, Weakly similar to T06E6.d [C.elegans]//1.0:217:60//Hs.3487:AA425553
 F-HEMBB1002044
 F-HEMBB1002045
 F-HEMBB1002049//Homo sapiens mRNA for KIAA0713 protein, partial cds//0.082:201:61//Hs.88756:AB018256
 F-HEMBB1002050//Breakpoint cluster region protein BCR//0.84:267:59//Hs.2557:Y00661
 50 F-HEMBB1002068//Homo sapiens mRNA for KIAA0612 protein, partial cds//8.1e-07:402:61//Hs.112499:AB014512
 F-HEMBB1002069
 F-HEMBB1002092//EST//5.1e-15:180:75//Hs.127928:AA969239
 F-HEMBB1002094//EST//2.0e-52:264:98//Hs.71763:AA146625
 55 F-HEMBB1002115//EST//0.0083:244:64//Hs.125353:AA877080
 F-HEMBB1002134//ESTs//1.7e-69:398:91//Hs.157492:AI361027
 F-HEMBB1002139//ESTs//0.64:145:71//Hs.157821:AI362013
 F-HEMBB1002142//ESTs//0.013:311:59//Hs.150037:AI292214

- F-HEM BB1002152//ESTs//8.4e-12:121:82//Hs.119540:T95254
 F-HEM BB1002189//EST//0.26:81:70//Hs.147726:AI220208
 F-HEM BB1002190//Alcohol dehydrogenase 2 (class I), beta polypeptide//0.16:608:58//Hs.4:X03350
 F-HEM BB1002193//Human sky mRNA for Sky, complete cds//6.6e-35:179:100//Hs.301:U18934
 5 F-HEM BB1002217//Homo sapiens mRNA for zinc finger protein 10//3.7e-25:405:67//Hs.104115:X52332
 F-HEM BB1002218//EST//0.015:241:61//Hs.105298:AA489813
 F-HEM BB1002232//Small inducible cytokine A5 (RANTES)//9.0e-31:365:71//Hs.155464:AF088219
 F-HEM BB1002247
 F-HEM BB1002249//Homo sapiens haemopoietic progenitor homeobox HPX42B (HPX42B) mRNA, complete cds//
 10 6.8e-47:418:77//Hs.125231:AF068006
 F-HEM BB1002254//Homo sapiens mRNA for KIAA0594 protein, partial cds//5.0e-47:437:77//Hs.154872:
 AB011166
 F-HEM BB1002255//ESTs//0.017:255:61//Hs.126786:U74314
 F-HEM BB1002266//Homo sapiens retinoblastoma-associated protein HEC mRNA, complete cds//0.17:511:57//
 15 Hs.58169:AF017790
 F-HEM BB1002280//EST//4.0e-35:182:98//Hs.127701:AA864998
 F-HEM BB1002300
 F-HEM BB1002306//Human G protein-coupled receptor (STRL22) mRNA, complete cds//6.3e-14:228:72//Hs.
 46468:U45984
 20 F-HEM BB1002327//EST//4.3e-21:242:75//Hs.72377:AA161083
 F-HEM BB1002329//ESTs, Weakly similar to C17G10.1 [C.elegans]//1.7e-77:399:96//Hs.105837:AA536054
 F-HEM BB1002340//INSULIN-DEGRADING ENZYME//1.0:319:60//Hs.1508:M21188
 F-HEM BB1002342//Homo sapiens mRNA for putative thioredoxin-like protein//1.4e-155:724:98//Hs.42644:
 AJ010841
 25 F-HEM BB1002358//Deoxythymidylate kinase//1.1e-37:192:98//Hs.79006:L16991
 F-HEM BB1002359//Human Rev interacting protein Rip-1 mRNA, complete cds//1.7e-06:66:96//Hs.154762:
 U00943
 F-HEM BB1002364//EST//4.7e-16:201:73//Hs.149925:AI288838
 F-HEM BB1002371//EST//2.4e-07:319:61//Hs.136459:AA577796
 30 F-HEM BB1002381
 F-HEM BB1002383//vasoactive intestinal peptide receptor 2//0.98:190:63//Hs.2126:L36566
 F-HEM BB1002387//EST//2.1e-07:253:61//Hs.145993:AI277784
 F-HEM BB1002409//ESTs//1.4e-11:94:91//Hs.125958:AI206456
 F-HEM BB1002415//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//2.0e-32:371:73//Hs.
 35 159897:AB007970
 F-HEM BB1002425//Fc fragment of IgA, receptor for//2.7e-32:156:82//Hs.54486:X54150
 F-HEM BB1002442
 F-HEM BB1002453//Human mRNA for KIAA0118 gene, partial cds//5.6e-53:461:77//Hs.154326:D42087
 F-HEM BB1002457//ESTs//3.4e-25:184:70//Hs.140225:AA704101
 40 F-HEM BB1002458//ESTs//7.0e-10:343:62//Hs.163816:N76274
 F-HEM BB1002477//Human Grb2-associated binder-1 mRNA, complete cds//6.0e-89:493:92//Hs.159605:U43885
 F-HEM BB1002489//Homo sapiens 195 kDa cornified envelope precursor mRNA, complete cds//0.019:228:63//
 Hs.74304:AF001691
 F-HEM BB1002492//EST//0.24:149:62//Hs.146790:AI149051
 45 F-HEM BB1002495//Fc fragment of IgE, high affinity I, receptor for; beta polypeptide//1.3e-22:331:71//Hs.30:
 M89796
 F-HEM BB1002502//ESTs//1.3e-41:380:78//Hs.61199:AA024494
 F-HEM BB1002509//ESTs//0.017:220:63//Hs.155263:AI273725
 F-HEM BB1002510//ESTs//6.4e-102:476:99//Hs.152289:AI247354
 50 F-HEM BB1002520//Human Line-1 repeat mRNA with 2 open reading frames//2.4e-50:580:72//Hs.23094:M19503
 F-HEM BB1002522//EST//0.010:172:62//Hs.147224:AI205719
 F-HEM BB1002531
 F-HEM BB1002534//Small inducible cytokine A5 (RANTES)//3.7e-59:258:88//Hs.155464:AF088219
 F-HEM BB1002545//ESTs//3.9e-24:181:86//Hs.13753:AI088102
 55 F-HEM BB1002550//Syntaxin 5A//0.27:354:59//Hs.154546:U26648
 F-HEM BB1002556//ESTs//1.7e-33:286:79//Hs.146173:AA906191
 F-HEM BB1002579//EST//1.0:77:68//Hs.147935:AI250286
 F-HEM BB1002582//ESTs//0.00032:178:68//Hs.139163:AA226095

F-HEMBB1002590//ESTs//0.64:132:63//Hs.155688:AI003657
 F-HEMBB1002596//ESTs//3.4e-19:462:64//Hs.124399:AA832336
 F-HEMBB1002600//Homo sapiens tetraspan NET-5 mRNA, complete cds//3.0e-152:710:98//Hs.129826:AF089749
 5 F-HEMBB1002601//EST//9.6e-13:368:62//Hs.137080:AA894817
 F-HEMBB1002603//EST//0.10:144:63//Hs.158180:AI367945
 F-HEMBB1002607//ESTs//0.024:345:62//Hs.143304:AI084058
 F-HEMBB1002610//EST//2.1e-14:291:64//Hs.140573:AA826323
 F-HEMBB1002613//ESTs//1.9e-17:192:75//Hs.141161:AA210711
 10 F-HEMBB1002614//ESTs//0.0048:136:71//Hs.106280:R13901
 F-HEMBB1002617//EST//0.034:320:59//Hs.41223:H89127
 F-HEMBB1002623//ESTs//0.88:222:60//Hs.129920:AA167217
 F-HEMBB1002635//Human MAP kinase mRNA, complete cds//3.1e-23:127:100//Hs.151051:U07620
 F-HEMBB1002664//EST//0.00013:203:61//Hs.117141:AA678811
 15 F-HEMBB1002677//ESTs//2.4e-22:439:66//Hs.132046:AA693680
 F-HEMBB1002683//ESTs//0.23:224:61//Hs.128883:AI026679
 F-HEMBB1002684//ESTs//7.2e-09:82:87//Hs.140457:H05124
 F-HEMBB1002686//EST//0.25:189:62//Hs.132431:AA909674
 F-HEMBB1002692//ESTs//0.00020:162:66//Hs.118180:N68504
 20 F-HEMBB1002697//EST//7.2e-17:219:74//Hs.100459:T61992
 F-HEMBB1002699//Homo sapiens transmembrane activator and CAML interactor (TACI) mRNA, complete cds//0.059:297:62//Hs.158341:AF023614
 F-HEMBB1002702//ESTs//0.26:284:61//Hs.41250:H89588
 F-HEMBB1002705//ESTs, Weakly similar to HYPOTHETICAL 38.5 KD PROTEIN IN SUI2-TDH2 INTERGENIC
 25 REGION [Saccharomyces cerevisiae]/0.0048:84:83//Hs.20814:AI242922
 F-HEMBB1002712//ESTs//0.0025:317:58//Hs.7344:AA972729
 F-MAMMA1000009//Human c-yes-1 mRNA//1.0e-48:447:77//Hs.75680:M15990
 F-MAMMA1000019
 F-MAMMA1000020//EST//2.6e-84:431:95//Hs.143333:H51750
 30 F-MAMMA1000025//EST//1.0:169:59//Hs.130165:AA906945
 F-MAMMA1000043//Human NSCL-1 mRNA sequence//0.94:262:60//Hs.30956:M96739
 F-MAMMA1000045//ESTs//1.7e-48:499:75//Hs.158469:AA897461
 F-MAMMA1000055//ESTs, Highly similar to TESTIN 2 PRECURSOR [Mus musculus]/2.7e-18:330:63//Hs.59906:AA001281
 35 F-MAMMA1000057//Homo sapiens DNA fragmentation factor 40 kDa subunit (DFF40) mRNA, complete cds//1.2e-50:367:75//Hs.133089:AF064019
 F-MAMMA1000069//ESTs//0.58:286:60//Hs.134417:AI336840
 F-MAMMA1000084//Human mRNA for KIAA0033 gene, partial cds//1.1e-48:641:70//Hs.22271:D26067
 40 F-MAMMA1000085//Homo sapiens mRNA for KIAA0602 protein, partial cds//0.00013:199:69//Hs.37656:AB011174
 F-MAMMA1000092//Homo sapiens telomeric repeat binding factor (TRF1) mRNA, complete cds//1.2e-52:346:77//Hs.90357:U40705
 F-MAMMA1000103//Homo sapiens mRNA for extracellular matrix protein, complete cds//1.0:151:64//Hs.35094:AB011792
 45 F-MAMMA1000117
 F-MAMMA1000129//RYANODINE RECEPTOR, SKELETAL MUSCLE//0.0015:492:60//Hs.89631:U48508
 F-MAMMA1000133//ESTs//1.0:125:67//Hs.118309:AA653402
 F-MAMMA1000134//EST//1.2e-08:75:92//Hs.160674:AI248319
 F-MAMMA1000139//EST//5.5e-10:139:76//Hs.159121:AI383843
 50 F-MAMMA1000143//Homo sapiens mRNA for KIAA0685 protein, complete cds//2.2e-26:148:97//Hs.153121:AB014585
 F-MAMMA1000155//Homo sapiens homeobox transcription factor barx2 (BARX2) mRNA, complete cds//3.3e-31:219:87//Hs.129724:AF031924
 F-MAMMA1000163//ESTs//1.2e-59:317:94//Hs.49559:AA401050
 55 F-MAMMA1000171//ESTs//1.7e-09:161:69//Hs.119070:AA629695
 F-MAMMA1000173//Human drebrin E2 mRNA (DBN1), complete cds//9.2e-40:686:65//Hs.89434:D17530
 F-MAMMA1000175//ESTs//0.65:141:68//Hs.133152:H91657
 F-MAMMA1000183//Human mRNA for KIAA0065 gene, partial cds//1.0e-92:904:72//Hs.70617:D31763

F-MAMMA1000198//ESTs//0.0092:235:62//Hs.98783:AI091739
 F-MAMMA1000221//EST//3.3e-16:95:98//Hs.128271:AA973035
 F-MAMMA1000227//ESTs//0.010:268:60//Hs.16412:AA506926
 F-MAMMA1000241//ESTs//0.13:140:67//Hs.12328:AI377913
 5 F-MAMMA1000251//EST//3.7e-07:118:73//Hs.153116:AA856873
 F-MAMMA1000254//ESTs//0.00023:245:59//Hs.150513:AI247587
 F-MAMMA1000257//EST//4.2e-10:155:74//Hs.150409:AI003543
 F-MAMMA1000264//ESTs//2.0e-18:217:75//Hs.152748:N53015
 F-MAMMA1000266//EST//0.14:270:60//Hs.132593:AI031874
 10 F-MAMMA1000270//Human mRNA for KIAA0118 gene, partial cds//2.5e-54:354:87//Hs.154326:D42087
 F-MAMMA1000277//Hydroxysteroid (11-beta) dehydrogenase 2//1.0e-07:306:65//Hs.1376:U26726
 F-MAMMA1000278//ESTs//4.0e-09:197:67//Hs.157034:AI347361
 F-MAMMA1000279//Complement component 5 receptor 1 (C5a ligand)//8.4e-34:341:68//Hs.2161:M62505
 F-MAMMA1000284
 15 F-MAMMA1000287//Human mRNA for KIAA0118 gene, partial cds//5.4e-50:245:84//Hs.154326:D42087
 F-MAMMA1000302//EST//5.3e-40:213:98//Hs.122363:AA788641
 F-MAMMA1000307//Polycystic kidney disease 1 (autosomal dominant)//0.55:510:57//Hs.75813:L33243
 F-MAMMA1000309//Apolipoprotein E//9.7e-06:691:58//Hs.76260:M12529
 F-MAMMA1000312//EST//0.042:183:63//Hs.158928:AI379519
 20 F-MAMMA1000313
 F-MAMMA1000331
 F-MAMMA1000339
 F-MAMMA1000340//ESTs, Highly similar to HYPOTHETICAL 29.4 KD PROTEIN IN STE6-LOS1 INTERGENIC
 REGION [Saccharomyces cerevisiae]//2.9e-11:87:93//Hs.13096:AA180963
 25 F-MAMMA1000348//Homo sapiens KIAA0432 mRNA, complete cds//3.6e-23:270:72//Hs.155174:AB007892
 F-MAMMA1000356//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//3.7e-24:233:72//Hs.
 158095:AB007953
 F-MAMMA1000360//Human Line-1 repeat mRNA with 2 open reading frames//9.0e-75:498:85//Hs.23094:M19503
 F-MAMMA1000361//Human mRNA for KIAA0118 gene, partial cds//9.1e-50:304:85//Hs.154326:D42087
 30 F-MAMMA1000372//EST//1.2e-53:376:86//Hs.144295:AA136569
 F-MAMMA1000385//ESTs//1.4e-22:220:76//Hs.142552:AA235344
 F-MAMMA1000388//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds//1.2e-149:710:
 98//Hs.32170:AB015132
 F-MAMMA1000395//Acyl-Coenzyme A dehydrogenase, very long chain//0.74:330:60//Hs.82208:L46590
 35 F-MAMMA1000402//Human Line-1 repeat mRNA with 2 open reading frames//2.4e-58:834:68//Hs.23094:M19503
 F-MAMMA1000410//Human NADH:ubiquinone oxidoreductase subunit B13 (B13) mRNA, complete cds//1.2e-08:
 117:84//Hs.83916:U53468
 F-MAMMA1000413//ESTs//3.3e-31:209:88//Hs.146154:AI200725
 F-MAMMA1000414//ESTs//0.82:132:62//Hs.124857:AA687092
 40 F-MAMMA1000416//ESTs, Weakly similar to HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME
 III [C.elegans]//9.8e-33:267:81//Hs.32370:AA521111
 F-MAMMA1000421//ESTs//7.3e-33:320:75//Hs.121659:H02532
 F-MAMMA1000422//Homo sapiens protocadherin (PCDH8) mRNA, complete cds//0.98:553:56//Hs.19492:
 AF061573
 45 F-MAMMA1000423//EST//0.0075:179:63//Hs.162974:AA678459
 F-MAMMA1000424//ESTs//1.3e-17:313:67//Hs.139858:AI377641
 F-MAMMA1000429//Homo sapiens sorting nexin 3 (SNX3) mRNA, complete cds//5.1e-48:491:72//Hs.12102:
 AF034546
 F-MAMMA1000431//ISLET AMYLOID POLYPEPTIDE PRECURSOR//5.1e-39:320:81//Hs.51048:X68830
 50 F-MAMMA1000444//Homo sapiens mRNA for KIAA0594 protein, partial cds//9.1e-39:342:78//Hs.154872:
 AB011166
 F-MAMMA1000446
 F-MAMMA1000458//ESTs, Weakly similar to similar to CCAAT/enhancer-binding protein [C.elegans]//5.1e-08:58:
 93//Hs.9043:W21827
 55 F-MAMMA1000468//Homo sapiens mRNA for 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase, complete
 cds//0.58:311:63//Hs.66721:D49818
 F-MAMMA1000472//ISLET AMYLOID POLYPEPTIDE PRECURSOR//2.1e-44:346:80//Hs.51048:X68830
 F-MAMMA1000478//Homo sapiens PYRIN (MEFV) mRNA, complete cds//0.0017:157:73//Hs.113283:AF018080

F-MAMMA1000483//ISLET AMYLOID POLYPEPTIDE PRECURSOR//4.5e-39:400:75//Hs.51048:X68830
 F-MAMMA1000490//ESTs//3.6e-52:331:88//Hs.163686:AA291948
 F-MAMMA1000500//EST//9.7e-73:346:99//Hs.98812:AA434482
 5 F-MAMMA1000501//Small inducible cytokine A5 (RANTES)//2.3e-50:325:86//Hs.155464:AF088219
 F-MAMMA1000516//Oxytocin receptor//1.6e-29:660:64//Hs.2820:X64878
 F-MAMMA1000522//ESTs//2.9e-23:328:70//Hs.125142:AA421352
 F-MAMMA1000524//ESTs//1.1e-08:211:65//Hs.33467:R85497
 F-MAMMA1000559//EST//4.7e-17:207:71//Hs.162733:AA614352
 F-MAMMA1000565
 10 F-MAMMA1000567//Homo sapiens haemopoietic progenitor homeobox HPX42B (HPX42B) mRNA, complete
 cds//5.8e-51:404:80//Hs.125231:AF068006
 F-MAMMA1000576//ESTs//3.8e-32:236:74//Hs.140039:AA047045
 F-MAMMA1000583//ESTs//0.00099:123:70//Hs.135173:AI276780
 F-MAMMA1000585//Homo sapiens class-I MHC-restricted T cell associated molecule (CRTAM) mRNA, complete
 15 cds//8.8e-45:390:78//Hs.159523:AF001622
 F-MAMMA1000594//ESTs//8.3e-42:322:81//Hs.161660:AA167744
 F-MAMMA1000597//Homo sapiens KIAA0426 mRNA, complete cds//2.6e-37:592:68//Hs.97476:AB007886
 F-MAMMA1000605//Homo sapiens 4F5S mRNA, complete cds//5.1e-26:228:73//Hs.32567:AF073519
 F-MAMMA1000612//Homo sapiens Gx protein (GX) mRNA, complete cds//0.00091:300:60//Hs.29207:AF071494
 20 F-MAMMA1000616//ESTs//0.41:373:59//Hs.130699:AA621478
 F-MAMMA1000621//EST//0.027:146:62//Hs.148305:AA909605
 F-MAMMA1000623
 F-MAMMA1000625//Homo sapiens ES/130 mRNA, complete cds//0.89:428:56//Hs.98614:AF006751
 F-MAMMA1000643//Homo sapiens nephrocystin (NPHP1) mRNA, partial cds//0.092:365:59//Hs.75474:
 25 AF023674
 F-MAMMA1000664//ESTs//7.6e-07:259:64//Hs.140622:AA844353
 F-MAMMA1000669//Human kpni repeat mrna (cdna clone pcd-kpni-4),3' end//9.0e-30:531:64//Hs.139107:
 K00629
 F-MAMMA1000670//ESTs//6.6e-83:389:100//Hs.148595:AI244490
 30 F-MAMMA1000672//Homo sapiens CAGH32 mRNA, partial cds//0.17:109:73//Hs.4316:U80743
 F-MAMMA1000684//Homo sapiens forkhead protein FREAC-2 mRNA, complete cds//3.3e-07:249:62//Hs.44481:
 U13220
 F-MAMMA1000696//Interleukin 10//5.6e-47:355:82//Hs.2180:M57627
 F-MAMMA1000707//ESTs//1.4e-09:225:65//Hs.138722:N51081
 35 F-MAMMA1000713//Acetylcholinesterase [I4-E5 domain] [human, tumor cell lines, Genomic, 847 nt]//0.16:84:72//
 Hs.157124:S71129
 F-MAMMA1000714//Human clone 23947 mRNA, partial cds//0.97:263:6//Hs.27414:U79275
 F-MAMMA1000718//ESTs, Weakly similar to putative p150 [H.sapiens]//5.0e-07:210:66//Hs.71148:AA854648
 F-MAMMA1000720//ESTs//1.4e-50:301:83//Hs.138852:AA284247
 40 F-MAMMA1000723//ESTs, Weakly similar to ORF2-like protein [H.sapiens]//8.1e-22:288:72//Hs.114685:
 AA700024
 F-MAMMA1000731//Homo sapiens CHD1 mRNA, complete cds//1.5e-23:292:66//Hs.22670:AF006513
 F-MAMMA1000732//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//4.8e-40:288:78//Hs.
 158095:AB007953
 45 F-MAMMA1000733//RAS GTPASE-ACTIVATING-LIKE PROTEIN IQGAP1//0.25:467:58//Hs.1742:L33075
 F-MAMMA1000734//Homo sapiens SEC63 (SEC63) mRNA, complete cds//2.3e-169:802:98//Hs.31575:
 AF100141
 F-MAMMA1000738//EST//1.0:149:63//Hs.136928:AA812580
 F-MAMMA1000744//Homo sapiens mRNA for KIAA0575 protein, complete cds//3.3e-51:323:88//Hs.153468:
 50 AB011147
 F-MAMMA1000746//ESTs//2.3e-42:409:76//Hs.61199:AA024494
 F-MAMMA1000752//EST, Weakly similar to putative p150 [H.sapiens]//1.1e-14:285:68//Hs.162011:AA513663
 F-MAMMA1000760//Myelin oligodendrocyte glycoprotein {alternative products}//6.2e-47:341:82//Hs.53217:
 Z48051
 55 F-MAMMA1000761//ESTs, Moderately similar to !!!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens]//
 9.8e-19:131:76//Hs.118972:AA761369
 F-MAMMA1000775//EST//6.9e-32:424:69//Hs.44554:N34288
 F-MAMMA1000776//ESTs//5.5e-43:154:84//Hs.141581:AA315361

EP 1 074 617 A2

F-MAMMA1000778//EST//4.4e-28:226:80//Hs.128952:AA984114
 F-MAMMA1000782//ESTs//0.35:270:60//Hs.29153:AA551137
 F-MAMMA1000798//Homo sapiens clone 24407 mRNA sequence//1.6e-23:531:65//Hs.12432:AF070575
 F-MAMMA1000802//ESTs//3.1e-67:340:97//Hs.126081:AA459849
 5 F-MAMMA1000824//ESTs//0.98:44:90//Hs.42802:N20130
 F-MAMMA1000831//ESTs//0.0081:194:60//Hs.150400:AI298089
 F-MAMMA1000839//Small inducible cytokine A5 (RANTES)//4.7e48:241:74//Hs.155464:AF088219
 F-MAMMA1000841
 F-MAMMA1000842//Human monocytic leukaemia zinc finger protein (MOZ) mRNA, complete cds//0.18:483:59//
 10 Hs.82210:U47742
 F-MAMMA1000843//EST//0.34:113:68//Hs.58415:W74696
 F-MAMMA1000845//EST//2.9e-06:56:80//Hs.123243:AA804877
 F-MAMMA1000851//EST//0.78:103:65//Hs.135656:AA907022
 F-MAMMA1000855
 15 F-MAMMA1000856//Homo sapiens preprocathepsin P mRNA, partial cds//0.14:320:59//Hs.71388:AF032906
 F-MAMMA1000859//SOX-3 PROTEIN//0.014:474:57//Hs.157429:X71135
 F-MAMMA1000862//EST//1.0:92:66//Hs.157599:AI357342
 F-MAMMA1000863//ELK1, member of ETS oncogene family//1.2e-30:214:75//Hs.116549:AL009172
 F-MAMMA1000865//ESTs//0.99:127:66//Hs.125230:AA873812
 20 F-MAMMA1000867//EST//0.027:236:60//Hs.147156:AI191777
 F-MAMMA1000875//Human mRNA for KIAA0269 gene, complete cds//0.96:245:59//Hs.75850:D87459
 F-MAMMA1000876//ESTs//1.5e-39:192:90//Hs.132020:AA704147
 F-MAMMA1000877//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.4e-91:
 484:94//Hs.138938:AA012894
 25 F-MAMMA1000880//EST//0.014:142:66//Hs.137044:AA878812
 F-MAMMA1000883//EST//1.0:166:62//Hs.126352:AA894465
 F-MAMMA1000897//H.sapiens mRNA for inter-alpha-trypsin inhibitor heavy chain H3//2.6e-06:211:63//Hs.76716:
 X67055
 F-MAMMA1000905//Cartilage matrix protein//0.97:190:64//Hs.150366:M55683
 30 F-MAMMA1000906//ESTs//3.0e-07:145:72//Hs.133556:AA702506
 F-MAMMA1000908//ESTs//1.1e-70:484:84//Hs.142497:AA189081
 F-MAMMA1000914//Angiopoietin 1//0.14:450:59//Hs.2463:D13628
 F-MAMMA1000921//ESTs//6.8e-96:448:99//Hs.135721:AI125239
 F-MAMMA1000931//CD4 receptor {exons 1 and 2} [human, T-lymphocyte, mRNA, 3429 nt]//1.0e-25:312:66//Hs.
 35 116007:S79267
 F-MAMMA1000940//EST//2.9e-42:209:76//Hs.140567:AA825968
 F-MAMMA1000941//Dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid
 dehydrogenase complex)//1.8e-38:395:71//Hs.89479:X66785
 F-MAMMA1000942//ESTs//1.9e-19:252:71//Hs.141575:AA211734
 40 F-MAMMA1000943//Human mRNA for KIAA0305 gene, complete cds//0.077:236:63//Hs.83790:AB002303
 F-MAMMA1000956//Homo sapiens hRVP1 mRNA for RVP1, complete cds//8.8e-33:566:64//Hs.25640:AB000714
 F-MAMMA1000957//ESTs//1.0:177:59//Hs.149864:N80474
 F-MAMMA1000962//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//1.1e-56:310:85//
 Hs.129735:AF010144
 45 F-MAMMA1000968//ESTs//9.2e-18:128:89//Hs.163980:AA715814
 F-MAMMA1000975//ESTs//3.8e-08:219:66//Hs.110937:AA137096
 F-MAMMA1000979//EST//0.00022:155:65//Hs.101379:Z39802
 F-MAMMA1000987//EST//1.1e-48:373:81//Hs.139034:W27062
 F-MAMMA1000998//EST//2.0e-07:356:62//Hs.132467:AA922007
 50 F-MAMMA1001003//ESTs//0.47:129:67//Hs.164016:AI003724
 F-MAMMA1001008//ESTs//1.9e-17:153:82//Hs.141161:AA210711
 F-MAMMA1001021//Homo sapiens beta-dystrobrevin (BDTN) mRNA, complete cds//4.7e-17:100:100//Hs.13451:
 Y15718
 F-MAMMA1001024//ESTs//0.97:251:62//Hs.59389:R93968
 55 F-MAMMA1001030//Homo sapiens orphan G protein-coupled receptor HG38 mRNA, complete cds//3.6e-32:753:
 61//Hs.98384:AF062006
 F-MAMMA1001035//ESTs//6.9e-28:268:77//Hs.139536:AA180857
 F-MAMMA1001038

EP 1 074 617 A2

F-MAMMA1001041//ALPHA-ACTININ 1, CYTOSKELETAL ISOFORM//2.7e-10:357:65//Hs.119000:M95178
 F-MAMMA1001050//EST//1.8e-29:321:74//Hs.161240:AI419882
 F-MAMMA1001059//ESTs, Weakly similar to protein synthesis initiation factor 4A-II homolog//7.9e-87:415:99//Hs.135623:AA134719
 5 F-MAMMA1001067//EST//0.30:166:60//Hs.148441:AI198503
 F-MAMMA1001073//ESTs//1.0e-98:476:98//Hs.98321:AA455585
 F-MAMMA1001074//ESTs//1.6e-82:396:98//Hs.118923:AA252116
 F-MAMMA1001075//Homo sapiens (clone F4) transmembrane protein mRNA sequence//3.7e-29:559:65//Hs.135251:L09749
 10 F-MAMMA1001078//Human Line-1 repeat mRNA with 2 open reading frames//2.7e-99:689:83//Hs.23094:M19503
 F-MAMMA1001080//IG ALPHA-2 CHAIN C REGION//5.8e-43:319:81//Hs.32225:AF067420
 F-MAMMA1001082//ESTs//6.2e-28:275:77//Hs.152685:AA613896
 F-MAMMA1001091//Homo sapiens mRNA for KIAA0711 protein, complete cds//0.0081:586:57//Hs.5333:AB018254
 15 F-MAMMA1001092//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//5.1e-24:328:72//Hs.103948:K00627
 F-MAMMA1001105//Homo sapiens OVO-like 1 binding protein (OVOL1) mRNA, complete cds//2.1e-24:507:66//Hs.97905:AF016045
 F-MAMMA1001110//Human mRNA for KIAA0125 gene, complete cds//0.94:448:57//Hs.38365:D50915
 20 F-MAMMA1001126//Small inducible cytokine A5 (RANTES)//4.6e-18:123:85//Hs.155464:AF088219
 F-MAMMA1001133
 F-MAMMA1001139
 F-MAMMA1001143//ESTs//2.6e-18:121:82//Hs.135117:AI091534
 F-MAMMA1001145//ESTs//1.5e-36:442:69//Hs.124712:H90217
 25 F-MAMMA1001154//EST//0.054:208:61//Hs.162088:AA505741
 F-MAMMA1001161//Homo sapiens mRNA for KIAA0575 protein, complete cds//6.6e-38:337:77//Hs.153468:AB011147
 F-MAMMA1001162//EST//4.7e-16:117:90//Hs.130894:AI014299
 F-MAMMA1001181
 30 F-MAMMA1001186//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//6.5e-47:313:81//Hs.97203:U83171
 F-MAMMA1001191//ESTs//5.8e-34:197:94//Hs.121575:AA758083
 F-MAMMA1001198
 F-MAMMA1001202//ESTs//1.5e-37:210:83//Hs.79788:AA527348
 35 F-MAMMA1001203//ESTs//1.2e-29:199:76//Hs.141605:H92974
 F-MAMMA1001206//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//5.5e-25:275:75//Hs.105292:AA504776
 F-MAMMA1001215//ESTs//1.9e-06:300:63//Hs.113566:T03200
 F-MAMMA1001220//Human mRNA for KIAA0118 gene, partial cds//2.7e-53:367:84//Hs.154326:D42087
 40 F-MAMMA1001222//Homo sapiens mRNA for KIAA0634 protein, partial cds//1.8e-05:435:59//Hs.30898:AB014534
 F-MAMMA1001243//ESTs//5.2e-19:118:94//Hs.122830:AA765587
 F-MAMMA1001244
 F-MAMMA1001249//ESTs//1.3e-89:420:99//Hs.147744:AI220476
 45 F-MAMMA1001256//ESTs//2.1e-34:282:80//Hs.46158:AI160121
 F-MAMMA1001259//ESTs//2.9e-07:68:95//Hs.6193:AA045149
 F-MAMMA1001260//Homo sapiens mRNA for KIAA0661 protein, complete cds//2.8e-41:659:64//Hs.65238:AB014561
 F-MAMMA1001268//Human Line-1 repeat mRNA with 2 open reading frames//1.7e-33:336:74//Hs.23094:M19503
 50 F-MAMMA1001271//Homo sapiens CAGH3 mRNA, complete cds//3.4e-06:487:59//Hs.21858:U80747
 F-MAMMA1001274//Human mRNA for KIAA0080 gene, partial cds//5.1e-62:396:76//Hs.74554:D38522
 F-MAMMA1001280//ESTs//7.3e-14:273:67//Hs.126503:AA913832
 F-MAMMA1001292//Human mRNA for KIAA0176 gene, partial cds//5.6e-54:616:71//Hs.4935:D79998
 F-MAMMA1001296//ESTs//4.8e-34:136:85//Hs.70279:AA757426
 55 F-MAMMA1001298//ESTs//0.021:73:80//Hs.114233:N91305
 F-MAMMA1001305//Human DNA sequence from PAC 127B20 on chromosome 22q11.2-qter, contains gene for GTPase-activating protein similar to rhoGAP protein. ribosomal protein L6 pseudogene, ESTs and CA repeat//1.9e-58:295:97//Hs.102336:Z83838

- F-MAMMA1001322//ESTs//9.4e-18:221:74//Hs.139132:AA211087
 F-MAMMA1001324//Human endogenous retrovirus pHE.1 (ERV9)//6.7e-75:745:73//Hs.93174:X57147
 F-MAMMA1001330//ESTs//2.6e-26:169:91//Hs.4209:AA205806
 F-MAMMA1001341//ESTs//0.10:267:62//Hs.155922:AI147197
 5 F-MAMMA1001343//ESTs//0.0024:323:62//Hs.119238:AA476267
 F-MAMMA1001346//Homo sapiens mRNA for KIAA0715 protein, partial cds//0.94:89:75//Hs.109358:AB018258
 F-MAMMA1001383//Putative mismatch repair/binding protein hMSH3//7.3e-49:273:80//Hs.42674:U61981
 F-MAMMA1001388//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN COMPLEX ACID LABILE CHAIN
 PRECURSOR//4.6e-09:415:58//Hs.839:M86826
 10 F-MAMMA1001397//Prostaglandin I2 (prostacyclin) synthase //1.3e-26:358:67//Hs.61333:D83402
 F-MAMMA1001408//ESTs//7.2e-06:123:72//Hs.26753:R60763
 F-MAMMA1001411//Autosomal dominant polycystic kidney disease type II//1.0:176:64//Hs.82001:U50928
 F-MAMMA1001419//Homo sapiens KIAA0395 mRNA, partial cds//4.1e-45:409:80//Hs.43681:AL022394
 F-MAMMA1001420//Homo sapiens mRNA for alpha(1,2)fucosyltransferase, complete cds//0.00042:125:75//Hs.
 15 46328:D87942
 F-MAMMA1001435//Human HsLIM15 mRNA for HsLim15, complete cds//8.2e-43:543:71//Hs.37181:D64108
 F-MAMMA1001442//ESTs//7.9e-15:103:92//Hs.25780:R51321
 F-MAMMA1001446//ESTs//3.5e-44:292:73//Hs.111583:AA463590
 F-MAMMA1001452//ESTs//0.73:152:65//Hs.163766:AI424040
 20 F-MAMMA1001465//ESTs//1.0e-15:201:75//Hs.8836:AA181053
 F-MAMMA1001476//Human mRNA for 5'-terminal region of UMK, complete cds//2.0e-24:273:72//Hs.75939:
 D78335
 F-MAMMA1001487//ESTs, Weakly similar to ORF2-like protein [H.sapiens]//3.2e-25:397:68//Hs.116874:
 AA524909
 25 F-MAMMA1001501//CALPAIN 1, LARGE//3.1e-53:438:81//Hs.2575:X04366
 F-MAMMA1001502//Human p120E4F transcription factor mRNA, complete cds//0.99:258:61//Hs.154196:U87269
 F-MAMMA1001510//ESTs//8.7e-09:380:61//Hs.118701:AA420795
 F-MAMMA1001522//ESTs//7.1e-44:321:80//Hs.120170:AI018506
 F-MAMMA1001547
 30 F-MAMMA1001551//Homo sapiens mRNA for KIAA0462 protein, partial cds//7.5e-130:614:98//Hs.129937:
 AB007931
 F-MAMMA1001575//ESTs, Weakly similar to zinc finger protein C2H2-171 [H.sapiens]//0.71:181:62//Hs.118866:
 AI017072
 F-MAMMA1001576//Tubulin, gamma polypeptide//5.7e-97:529:91//Hs.150785:M61764
 35 F-MAMMA1001590//EST//1.7e-13:94:92//Hs.95900:AA160339
 F-MAMMA1001600//EST//1.0e-08:81:87//Hs.149220:AI247132
 F-MAMMA1001604//EST//0.0070:157:62//Hs.162516:AA583375
 F-MAMMA1001606//Human clone 23627 mRNA, complete cds//0.64:336:58//Hs.23642:U79266
 F-MAMMA1001620//ESTs//6.8e-16:99:79//Hs.164052:AA836152
 40 F-MAMMA1001627//Pregnancy-associated plasma protein A//0.27:379:58//Hs.158229:U28727
 F-MAMMA1001630//Human DNA sequence from clone 71L16 on chromosome Xp11. Contains a probable Zinc
 Finger protein (pseudo)gene, an unknown putative gene, a pseudogene with high similarity to part of antigen KI-
 67, a putative Chondroitin 6-Sulfotransferase LIKE gene and a KIAA0267 LIKE putative Na(+)/H(+) exchanger
 protein gene. Contains a predicted CpG island, ESTs, STSs and GSSs and genomic markers DXS1003 and
 45 DXS1055//1.4e-40:447:73//Hs.154353:AL022165
 F-MAMMA1001633//Human zinc finger protein (LD5-1) mRNA, complete cds//3.6e-44:611:67//Hs.57679:U57796
 F-MAMMA1001635
 F-MAMMA1001649//ESTs//1.4e-47:238:99//Hs.124063:T75524
 F-MAMMA1001654//Homo sapiens retinal rod Na-Ca+K exchanger (NCKX1) mRNA, complete cds//0.00069:140:
 50 68//Hs.59829:AB014602
 F-MAMMA1001663//Homo sapiens mRNA for KIAA0448 protein, complete cds//0.015:135:71//Hs.27349:
 AB007917
 F-MAMMA1001670//ESTs, Highly similar to 52 KD RO PROTEIN [Homo sapiens]//0.064:472:60//Hs.110819:
 AI027548
 55 F-MAMMA1001671
 F-MAMMA1001679//ESTs//0.94:55:83//Hs.152506:AA573317
 F-MAMMA1001683//ESTs//1.6e-92:480:96//Hs.118496:AA036889
 F-MAMMA1001686//ESTs//0.00019:171:66//Hs.140402:AI138765

F-MAMMA1001692//ESTs//0.97:104:70//Hs.27596:AI188549
 F-MAMMA1001711//Human G protein-coupled receptor (STRL22) mRNA, complete cds//8.0e-45:323:83//Hs.46468:U45984
 F-MAMMA1001715//ESTs//1.3e-14:188:72//Hs.130815:AA936548
 5 F-MAMMA1001730//ESTs//0.048:198:65//Hs.116412:AA506926
 F-MAMMA1001735//Human beta-tubulin class III isotype (beta-3) mRNA, complete cds//1.5e-111:725:84//Hs.159154:U47634
 F-MAMMA1001740//EST//0.77:119:65//Hs.148140:AA887098
 F-MAMMA1001743//ESTs//6.5e-27:195:72//Hs.163688:H48768
 10 F-MAMMA1001744//EST//0.00019:134:70//Hs.146863:AI161245
 F-MAMMA1001745//Human Line-1 repeat mRNA with 2 open reading frames//4.7e-67:822:69//Hs.23094:M19503
 F-MAMMA1001751//Homo sapiens two P domain potassium channel subunit (HOHO1) mRNA, complete cds//1.0e-36:583:65//Hs.79351:U33632
 F-MAMMA1001754//ESTs//5.1e-97:456:99//Hs.157928:AA775822
 15 F-MAMMA1001757//EST//0.042:177:63//Hs.144436:R07109
 F-MAMMA1001760//Homo sapiens RET finger protein-like 1 antisense transcript, partial//6.6e-41:309:84//Hs.102576:AJ010230
 F-MAMMA1001764//ESTs//0.057:290:60//Hs.68647:AA524072
 F-MAMMA1001768//Human transcription factor, forkhead related activator 4 (FREAC-4) mRNA, complete cds//2.2e-05:504:60//Hs.96028:AF042832
 20 F-MAMMA1001769//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.1e-85:686:79//Hs.113283:AF018080
 F-MAMMA1001771//Human semaphorin III family homolog mRNA, complete cds//0.00071:392:60//Hs.32981:U38276
 F-MAMMA1001783//ESTs//8.8e-23:206:79//Hs.142524:H02940
 25 F-MAMMA1001785//ESTs//1.3e-52:270:97//Hs.61809:AA503549
 F-MAMMA1001788//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//6.7e-21:212:77//Hs.103948:K00627
 F-MAMMA1001790//Homo sapiens KIAA0409 mRNA, partial cds//2.2e-06:139:72//Hs.5158:AB007869
 F-MAMMA1001806//ESTs//6.4e-44:373:79//Hs.105665:H78987
 30 F-MAMMA1001812//ESTs//4.8e-83:407:97//Hs.98613:D83884
 F-MAMMA1001815//EST//2.1e-56:374:85//Hs.141488:N47096
 F-MAMMA1001817//EST//8.6e-39:336:78//Hs.162236:AA551582
 F-MAMMA1001818//EST//0.32:375:58//Hs.72729:AA167589
 F-MAMMA1001820//Homo sapiens cytokine-like factor-1 precursor (CLF-1) mRNA, complete cds//0.082:153:66//Hs.114948:AF059293
 35 F-MAMMA1001824//EST//0.0013:195:63//Hs.129275:AA992742
 F-MAMMA1001836//ESTs//7.4e-52:283:95//Hs.92290:R78691
 F-MAMMA1001837//Homo sapiens mRNA for zinc finger protein FPM315, complete cds//2.0e-29:641:62//Hs.56808:D88827
 40 F-MAMMA1001848//ESTs//3.5e-53:264:99//Hs.116430:AA644665
 F-MAMMA1001851//ESTs//0.00050:251:64//Hs.163776:AI393028
 F-MAMMA1001854
 F-MAMMA1001858//EST//1.0:113:68//Hs.132482:AA922218
 F-MAMMA1001864//EST//1.3e-06:399:60//Hs.161500:N68060
 45 F-MAMMA1001868//Homo sapiens nuclear receptor co-repressor N-CoR mRNA, complete cds//0.084:672:58//Hs.152455:AF044209
 F-MAMMA1001874//ESTs//0.97:292:58//Hs.24553:AI150687
 F-MAMMA1001878
 F-MAMMA1001880//ESTs//9.2e-09:277:62//Hs.15776:T91944
 50 F-MAMMA1001890//EST//1.7e-85:440:97//Hs.128842:AA977576
 F-MAMMA1001907//EST//2.7e-26:294:74//Hs.98794:AA434078
 F-MAMMA1001908//ESTs//3.2e-109:505:100//Hs.146145:AI391521
 F-MAMMA1001931//ESTs//1.0:108:67//Hs.126624:AA768874
 F-MAMMA1001956//Apolipoprotein E//1.0:322:59//Hs.76260:M12529
 55 F-MAMMA1001963//ESTs//0.84:320:60//Hs.6523:AA218859
 F-MAMMA1001969//Homo sapiens clone 23892 mRNA sequence//3.6e-79:423:81//Hs.91916:AF035317
 F-MAMMA1001970//Oxytocin receptor//9.7e-31:626:64//Hs.2820:X64878
 F-MAMMA1001992//EST, Weakly similar to reverse transcriptase [H.sapiens]//7.9e-09:150:72//Hs.118222:

N91115
 F-MAMMA1002009//ESTs//2.2e-18:234:69//Hs.21978:AA009633
 F-MAMMA1002011//ESTs//0.91:276:59//Hs.141196:AA704826
 F-MAMMA1002032//ESTs//7.8e-40:344:77//Hs.141658:N77915
 5 F-MAMMA1002033//ESTs//2.5e-30:293:76//Hs.139158:AA226159
 F-MAMMA1002041//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//1.2e-54:455:70//Hs.
 158095:AB007953
 F-MAMMA1002042//ESTs//1.4e-20:199:79//Hs.140913:R44580
 F-MAMMA1002047//EST//4.2e-14:170:75//Hs.124348:AA830225
 10 F-MAMMA1002056//EST//2.1e-49:414:80//Hs.162335:AA564256
 F-MAMMA1002058//EST//4.7e-26:268:78//Hs.140520:AA809305
 F-MAMMA1002068//Human Line-1 repeat mRNA with 2 open reading frames//8.5e-36:382:75//Hs.23094:M19503
 F-MAMMA1002078
 F-MAMMA1002082
 15 F-MAMMA1002084//EST//0.37:351:59//Hs.46576:N46012
 F-MAMMA1002093//Homo sapiens mRNA for ATP-dependent RNA helicase, partial//0.54:388:57//Hs.99423:
 AJ010840
 F-MAMMA1002108//Loricrin//0.00066:410:56//Hs.155657:M61120
 F-MAMMA1002118//EST//0.50:202:64//Hs.126872:AA932932
 20 F-MAMMA1002125//Small inducible cytokine A5 (RANTES)//2.4e-39:272:86//Hs.155464:AF088219
 F-MAMMA1002132//EST//6.4e-05:245:60//Hs.149361:AI272963
 F-MAMMA1002140//ESTs//5.8e-33:212:77//Hs.141203:H52638
 F-MAMMA1002143//SERUM PROTEIN MSE55//1.9e-12:192:70//Hs.148101:M88338
 F-MAMMA1002145//EST//0.12:204:60//Hs.160983:AI392837
 25 F-MAMMA1002153
 F-MAMMA1002155//ESTs, Weakly similar to p40 [H.sapiens]//3.6e-67:335:97//Hs.88424:AA281385
 F-MAMMA1002156//Integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)//0.99:310:58//Hs.87149:M35999
 F-MAMMA1002158//EST//0.015:278:58//Hs.162666:AA605196
 F-MAMMA1002170//40S RIBOSOMAL PROTEIN S2//6.9e-82:573:82//Hs.119389:X17206
 30 F-MAMMA1002174//Human NOF1 mRNA, complete cds//2.2e-42:375:78//Hs.75859:U39400
 F-MAMMA1002198//H.sapiens mRNA for thiol-specific antioxidant//3.3e-36:121:98//Hs.146354:Z22548
 F-MAMMA1002209//ESTs//1.1e-84:409:98//Hs.139235:AA278362
 F-MAMMA1002215//Loricrin//0.0024:369:57//Hs.155657:M61120
 F-MAMMA1002219//ESTs, Weakly similar to coded for by C. elegans cDNA yk52b10.3 [C.elegans]//9.5e-41:202:
 35 100//Hs.118849:AA215645
 F-MAMMA1002230//ESTs//0.92:253:60//Hs.4222:AI024063
 F-MAMMA1002236//ESTs, Moderately similar to initiation factor eIF-2B gamma subunit [R.norvegicus]//4.6e-69:
 344:90//Hs.76822:AI359536
 F-MAMMA1002243//Homo sapiens serine threonine kinase 11 (STK11) mRNA, complete cds//0.99:454:56//Hs.
 40 122755:AF032986
 F-MAMMA1002250//Human involucrin mRNA//0.0037:396:62//Hs.157091:M13903
 F-MAMMA1002267//ESTs//2.0e-12:296:62//Hs.155686:AI308841
 F-MAMMA1002268//Human N-type calcium channel alpha-1 subunit mRNA, complete cds//1.2e-06:427:61//Hs.
 45 69949:M94172
 F-MAMMA1002269
 F-MAMMA1002282//ESTs//5.9e-65:342:95//Hs.13962:T72715
 F-MAMMA1002292//EST//0.0050:346:58//Hs.97639:AA398440
 F-MAMMA1002293//Homo sapiens DNA fragmentation factor 40 kDa subunit (DFF40) mRNA, complete cds//2.8e-
 60:387:75//Hs.133089:AF064019
 50 F-MAMMA1002294//Human growth/differentiation factor 1 (GDF-1) mRNA, complete cds//4.3e-07:349:64//Hs.
 92614:M62302
 F-MAMMA1002297//EST//0.98:98:68//Hs.148207:AA897460
 F-MAMMA1002298//Paired basic amino acid cleaving system 4//0.0061:471:57//Hs.77234:AB001914
 F-MAMMA1002299//ESTs//1.0:162:68//Hs.134132:AA205935
 55 F-MAMMA1002308//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//6.9e-41:
 293:83//Hs.105292:AA504776
 F-MAMMA1002310//Homo sapiens serine protease-like protease (nes1) mRNA, complete cds//0.0037:173:67//
 Hs.69423:AF055481

EP 1 074 617 A2

F-MAMMA1002311//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//1.8e-41:473:65//Hs.92381:AB007956
F-MAMMA1002312//ESTs//0.0017:279:60//Hs.163773:AA806291
F-MAMMA1002317//ESTs//1.0:131:64//Hs.66075:F08908
5 F-MAMMA1002319//Homo sapiens clone 24566 mRNA sequence//1.2e-28:410:68//Hs.133342:AF070536
F-MAMMA1002322//ESTs//1.2e-47:356:82//Hs.152413:AA780515
F-MAMMA1002329//Homo sapiens clone 24444 RaP2 interacting protein 8 (RPIP8) mRNA, complete cds//0.0079:143:67//Hs.6755:AF055026
10 F-MAMMA1002332//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//1.2e-26:342:72//Hs.103948:K00627
F-MAMMA1002333//Homo sapiens mRNA for KIAA0711 protein, complete cds//6.8e-07:669:58//Hs.5333:AB018254
F-MAMMA1002339//H.sapiens mRNA for retrotransposon//3.2e-40:348:73//Hs.6940:Z48633
F-MAMMA1002347//EST, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.9e-14:146:81//Hs.163073:R02591
15 F-MAMMA1002351//ESTs//1.2e-74:371:96//Hs.111429:W28907
F-MAMMA1002352//EST//1.7e-09:198:68//Hs.149218:AI247086
F-MAMMA1002353//ESTs//7.4e-15:163:77//Hs.157253:AI357539
F-MAMMA1002355//Homo sapiens KIAA0441 mRNA, complete cds//7.7e-47:307:78//Hs.32511:AB007901
20 F-MAMMA1002356//ESTs//0.012:380:58//Hs.105349:AA779733
F-MAMMA1002359//EST//1.1e-44:264:77//Hs.141095:H23818
F-MAMMA1002360//ESTs//7.6e-15:200:70//Hs.19770:AA447830
F-MAMMA1002361//ESTs//2.5e-29:277:79//Hs.155115:AA669923
F-MAMMA1002362//EST//0.25:304:58//Hs.1.62427:AA576345
25 F-MAMMA1002380//FACTOR VIII INTRON 22 PROTEIN//0.29:485:59//Hs.83363:M34677
F-MAMMA1002384//ESTs//1.1 e-05:220:65//Hs.141388:R52022
F-MAMMA1002385//ESTs, Moderately similar to T11G6.8 [C.elegans]//8.4e-118:578:97//Hs.25516:AI086362
F-MAMMA1002392//EST//0.85:319:57//Hs.126484:AA913624
F-MAMMA1002411//ESTs//0.00044:89:76//Hs.141685:AI142632
30 F-MAMMA1002413//ESTs//0.0020:303:61//Hs.94903:W85737
F-MAMMA1002417//ESTs//1.4e-06:223:65//Hs.143695:AA662745
F-MAMMA1002427//ESTs//5.4e-48:356:82//Hs.146811:AA410788
F-MAMMA1002428//EST//1.0:96:71//Hs.105130:AA482030
F-MAMMA1002434//Human mRNA for KIAA0118 gene, partial cds//2.2e-52:370:83//Hs.154326:D42087
35 F-MAMMA1002446
F-MAMMA1002454//ESTs//9.1e-50:163:100//Hs.80162:AA534809
F-MAMMA1002461//Human diacylglycerol kinase (DAGK) mRNA, complete cds//6.3e-06:595:59//Hs.99932:L38707
F-MAMMA1002470
40 F-MAMMA1002475//Human MAP kinase activated protein kinase 2 mRNA, complete cds//0.018:417:58//Hs.75074:U12779
F-MAMMA1002480//ESTs//0.0015:258:62//Hs.132082:N67059
F-MAMMA1002485//Homo sapiens stanniocalcin-2 (STC-2) mRNA, complete cds//9.4e-120:560:98//Hs.155223:AF055460
45 F-MAMMA1002494//ESTs//2.4e-68:359:95//Hs.124652:AA857628
F-MAMMA1002498//ESTs, Weakly similar to hypothetical protein [H.sapiens]//4.0e-07:257:63//Hs.133013:AA604920
F-MAMMA1002524//Huntingtin (Huntington disease)//0.0085:215:65//Hs.79391:L12392
F-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds//4.5e-162:775:97//Hs.18858:AF065214
50 F-MAMMA1002545//ESTs//6.4e-46:351:81//Hs.146811:AA410788
F-MAMMA1002554
F-MAMMA1002556//Human beige-like protein (BGL) mRNA, partial cds//0.96:187:62//Hs.62354:M83822
F-MAMMA1002566//ESTs//0.0033:130:68//Hs.117018:AA832421
55 F-MAMMA1002571//EST//0.28:115:66//Hs.156768:AI351368
F-MAMMA1002573//ESTs//2.1e-4:8:265:94//Hs.155128:AI224516
F-MAMMA1002585
F-MAMMA1002590//ESTs//3.2e-11:280:63//Hs.36049:AA436831

EP 1 074 617 A2

F-MAMMA1002597//ESTs//4.8e-10:118:77//Hs.156166:AI334107
 F-MAMMA1002598//Ribosomal protein L7//3.6e-23:123:100//Hs.153:X57958
 F-MAMMA1002603//EST//0.070:99:71//Hs.122387:AA789220
 F-MAMMA1002612//ESTs, Moderately similar to hCDC10 protein [H.sapiens]//8.3e-18:353:65//Hs.60895:
 5 AA428463
 F-MAMMA1002617//B94 PROTEIN//0.0097:229:62//Hs.75522:M92357
 F-MAMMA1002618
 F-MAMMA1002619
 F-MAMMA1002622//Homo sapiens advillin mRNA, complete cds//4.7e-22:157:90//Hs.47344:AF041449
 10 F-MAMMA1002623//EST//1.5e-33:168:81//Hs.141526:N52300
 F-MAMMA1002625
 F-MAMMA1002629//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0507//1.1e-35:355:76//Hs.
 158241:AB007976
 F-MAMMA1002636//Homo sapiens mRNA for KIAA0288 gene, complete cds//1.9e-05:439:61//Hs.91400:
 15 AB006626
 F-MAMMA1002637//KINESIN LIGHT CHAIN//2.0e-47:367:72//Hs.117977:L04733
 F-MAMMA1002646//EST//1.2e-32:302:78//Hs.112540:AA601385
 F-MAMMA1002650//TRICHOHYALIN//1.2e-08:570:63//Hs.82276:L09190
 F-MAMMA1002655//EST//8.8e-40:198:100//Hs.159724:AI393335
 20 F-MAMMA1002662//EST//0.99:95:63//Hs.144074:AI005489
 F-MAMMA1002665//Lysosomal-associated membrane protein 2//1.8e-35:722:64//Hs.8262:U36336
 F-MAMMA1002671//Cyclin-dependent kinase inhibitor 1C (p57, Kip2)//8.6e-06:272:64//Hs.106070:U22398
 F-MAMMA1002673
 F-MAMMA1002684//Homo sapiens mRNA for KIAA0214 protein, complete cds//1.2e-162:752:99//Hs.3363:
 25 D86987
 F-MAMMA1002685//ESTs//7.5e-40:373:78//Hs.163937:N69915
 F-MAMMA1002698//ESTs//2.5e-09:190:68//Hs.138292:AI220397
 F-MAMMA1002699//Homo sapiens epsin 2b mRNA, complete cds//4.7e-56:398:81//Hs.22396:AF062085
 F-MAMMA1002701//ESTs//4.3e-10:110:80//Hs.156041:AI274697
 30 F-MAMMA1002708//Homo sapiens mRNA for alpha(1,2)lucosyltransferase, complete cds//1.1e-51:307:79//Hs.
 46328:D87942
 F-MAMMA1002711//EST//3.6e-38:186:77//Hs.139715:N25041
 F-MAMMA1002721//EST//3.9e-06:110:71//Hs.136758:AA714692
 F-MAMMA1002727//EST//0.97:137:63//Hs.145153:AI150165
 35 F-MAMMA1002728//ESTs, Highly similar to PAB-DEPENDENT POLY(A)-SPECIFIC RIBONUCLEASE [Saccha-
 romyces cerevisiae]//2.6e-12:129:81//Hs.154181:AA193502
 F-MAMMA1002744//ESTs//0.0026:420:58//Hs.95793:AA617853
 F-MAMMA1002746//ESTs//0.28:117:69//Hs.12925:T66312
 F-MAMMA1002748
 40 F-MAMMA1002754//ESTs//1.1e-34:340:77//Hs.163641:R61848
 F-MAMMA1002758//Homo sapiens KIAA0442 mRNA, partial cds//1.1e-27:151:98//Hs.32168:AB007902
 F-MAMMA1002764//ESTs//1.7e-45:323:84//Hs.155243:N70293
 F-MAMMA1002765//EST//3.2e-11:145:73//Hs.162551:AA584782
 F-MAMMA1002769
 45 F-MAMMA1002775//Human ABL gene, exon 1b and intron 1b, and putative M8604 Met protein (M8604 Met) gene//
 7.6e-84:417:97//Hs.77705:U07563
 F-MAMMA1002780//EST//0.78:210:63//Hs.149413:AI273988
 F-MAMMA1002782
 F-MAMMA1002796//ESTs//0.021:122:65//Hs.132221:AI380710
 50 F-MAMMA1002807//EST//1.0e-31:184:71//Hs.161497:N66919
 F-MAMMA1002820//ESTs//0.21:292:59//Hs.132513:AI778514
 F-MAMMA1002830//Homo sapiens mRNA for KIAA0563 protein, complete cds//2.4e-57:286:88//Hs.15731:
 AB011135
 F-MAMMA1002833//Human mRNA for KIAA0033 gene, partial cds//9.1e-52:583:72//Hs.22271:D26067
 55 F-MAMMA1002835
 F-MAMMA1002838//ESTs, Weakly similar to NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1 [Locusta mi-
 gratoria]//7.7e-38:179:78//Hs.141344:H29951
 F-MAMMA1002842//ESTs//1.7e-19:134:89//Hs.111583:AA463590

EP 1 074 617 A2

F-MAMMA1002843//Homo sapiens mRNA for KIAA0810 protein, partial cds//5.4e-137:635:99//Hs.7531:AB018353

F-MAMMA1002844//ESTs, Weakly similar to Y53C12A.3 [C.elegans]//1.6e-07:329:58//Hs.107747:AI357868

F-MAMMA1002858

5 F-MAMMA1002868//EST//4.1e-23:180:77//Hs.163196:AA767643

F-MAMMA1002869//Human PINCH protein mRNA, complete cds//7.0e-88:696:78//Hs.83987:U09284

F-MAMMA1002871//ESTs//3.4e-93:466:96//Hs.11873:T68423

F-MAMMA1002880//EST//2.0e-09:364:59//Hs.145181:AI183632

F-MAMMA1002881//Homo sapiens mRNA for 25 kDa trypsin inhibitor, complete cds//3.8e-30:680:61//Hs.129732:D45027

10 F-MAMMA1002886//Long (electrocardiographic) QT syndrome 2//0.00075:504:60//Hs.19944:U04270

F-MAMMA1002887//ESTs//0.044:144:68//Hs.133152:H91657

F-MAMMA1002890//EST//1.7e-05:74:86//Hs.116013:AA612666

F-MAMMA1002892//EST//2.1e-67:383:93//Hs.22815:R44265

15 F-MAMMA1002895//Human transcription factor ERF-1 mRNA, complete cds//0.00053:382:57//Hs.61796:U85658

F-MAMMA1002908//EST//0.0022:132:68//Hs.161697:AA224952

F-MAMMA1002909//ESTs//9.1e-21:343:70//Hs.142068:AA176125

F-MAMMA1002930//ESTs//0.55:72:72//Hs.132440:AA923730

F-MAMMA1002937//ESTs, Weakly similar to ZINC FINGER PROTEIN 84 [H.sapiens]//7.9e-103:485:99//Hs.102928:AI346344

20 F-MAMMA1002938//Homo sapiens mRNA for KIAA0698 protein, complete cds//1.6e-194:910:98//Hs.31720:AB014598

F-MAMMA1002941//ESTs//9.5e-19:196:67//Hs.137945:AI423389

F-MAMMA1002947//ESTs//1.2e-96:460:99//Hs.156001:AI313418

25 F-MAMMA1002964//Homo sapiens KIAA0424 mRNA, partial cds//0.48:250:60//Hs.54697:AB007884

F-MAMMA1002970//EST//2.0e-16:132:84//Hs.136518:AA601400

F-MAMMA1002972

F-MAMMA1002973//ESTs//3.2e-43:225:74//Hs.155179:AA223932

F-MAMMA1002982//ESTs//0.0017:162:66//Hs.152669:AA604944

30 F-MAMMA1002987//EST//0.044:254:59//Hs.135014:AI095645

F-MAMMA1003003//Coagulation factor III (thromboplastin, tissue factor)//3.9e-22:185:83//Hs.62192:J02931

F-MAMMA1003004//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//1.0e-16:343:61//Hs.159897:AB007970

F-MAMMA1003007//EST//6.6e-10:265:66//Hs.144389:AA530979

35 F-MAMMA1003011//Homo sapiens histone macroH2A1.2 mRNA, complete cds//6.2e-51:620:69//Hs.75258:AF054174

F-MAMMA1003013//Human HOX4C mRNA for a homeobox protein//0.73:347:58//Hs.74061:X59372

F-MAMMA1003015//EST//2.5e-11:137:77//Hs.141312:H73062

F-MAMMA1003019//ESTs//0.0099:182:65//Hs.60787:AI374951

40 F-MAMMA1003026//EST//1.0:136:67//Hs.9123:T50137

F-MAMMA1003031//EST//1.3e-11:244:67//Hs.136611:AA669549

F-MAMMA1003035

F-MAMMA1003039//ESTs//1.4e-23:265:74//Hs.33393:R83391

F-MAMMA1003040//Homo sapiens tapasin (NGS-17) mRNA, complete cds//1.5e-93:339:85//Hs.5247:AF029750

45 F-MAMMA1003044//Cyclin D2//1.0:234:61//Hs.75586:D13639

F-MAMMA1003047//H.sapiens mRNA for F25B3.3 kinase like protein from C.elegans//1.0:209:60//Hs.99491:Y12336

F-MAMMA1003049//EST//0.99:126:67//Hs.162634:AA601742

F-MAMMA1003055//ESTs//0.00011:130:70//Hs.130539:R68518

50 F-MAMMA1003056

F-MAMMA1003057//ESTs, Moderately similar to hypothetical protein MD6 [M.musculus]//1.3e-88:334:97//Hs.96500:AI206781

F-MAMMA1003066//ESTs//0.77:88:71//Hs.143618:AI022618

F-MAMMA1003089//Homo sapiens mRNA for KIAA0631 protein, partial cds//4.5e-51:329:71//Hs.75154:AB014531

55 F-MAMMA1003099//Homo sapiens actin-binding protein homolog ABP-278 mRNA, complete cds//8.5e-44:288:88//Hs.81008:AF043045

F-MAMMA1003104//H.sapiens mRNA for ASM-like phosphodiesterase 3a//1.0:213:60//Hs.42945:Y08136

F-MAMMA1003113//Homo sapiens mRNA for hair keratin acidic 3-III//0.99:200:64//Hs.32950:X82634
 F-MAMMA1003127//Homo sapiens brush border myosin I (BBMI) mRNA, complete cds//5.4e-27:421:66//Hs.5394:
 AF105424
 F-MAMMA1003135//Envoplakin//0.56:250:62//Hs.25482:U53786
 5 F-MAMMA1003140
 F-MAMMA1003146//Homo sapiens mRNA for GalT3 protein//7.2e-82:397:97//Hs.151344:Y15062
 F-MAMMA1003150//Homo sapiens mRNA for KIAA0515 protein, partial cds//0.00019:297:61//Hs.108945:
 AB011087
 F-MAMMA1003166//Glycoprotein Ib (platelet), beta polypeptide//1.2e-31:487:65//Hs.3847:U59632
 10 F-NT2RM1000001//Human plectin (PLEC1) mRNA, complete cds//0.16:244:63//Hs.79706:U53204
 F-NT2RM1000018//Human mRNA for KIAA0066 gene, partial cds//1.5e-66:385:92//Hs.82510:D31886
 F-NT2RM1000032
 F-NT2RM1000035//Human mRNA for KIAA0199 gene, partial cds//4.1e-110:849:81//Hs.78442:D83782
 F-NT2RM1000037//Homo sapiens mRNA for KIAA0690 protein, partial cds//3.5e-108:542:95//Hs.60103:
 15 AB014590
 F-NT2RM1000039//Human plectin (PLEC1) mRNA, complete cds//0.11:545:57//Hs.79706:U53204
 F-NT2RM1000055//ESTs, Highly similar to TIP120 [R.norvegicus]//3.2e-69:353:96//Hs.154980:AA948067
 F-NT2RM1000059//Homo sapiens T cell immune response cDNA7 (TIRC7) mRNA, complete cds//0.029:281:59//
 Hs.46465:U45285
 20 F-NT2RM1000062//ESTs//0.30:368:59//Hs.131675:AA843210
 F-NT2RM1000080//Homo sapiens chromosome 9, P1 clone 11659//2.8e-102:493:97//Hs.3439:AC004472
 F-NT2RM1000086//Homo sapiens mRNA for KIAA0661 protein, complete cds//5.8e-116:550:97//Hs.65238:
 AB014561
 F-NT2RM1000092//Murine leukemia viral (bmi-1) oncogene homolog//0.42:190:63//Hs.431:L13689
 25 F-NT2RM1000118//Homo sapiens clone 23763 unknown mRNA, partial cds//0.00086:126:70//Hs.92693:
 AF007155
 F-NT2RM1000119//Peroxisome receptor 1//0.00055:458:58//Hs.158084:Z48054
 F-NT2RM1000127
 F-NT2RM1000131
 30 F-NT2RM1000132//Homo sapiens NADH:ubiquinone oxidoreductase NDUFS6 subunit mRNA, nuclear gene en-
 coding mitochondrial protein, complete cds//3.7e-92:448:97//Hs.49767:AF044959
 F-NT2RM1000153//Homo sapiens mRNA for MTG8-related protein MTG16a, complete cds//1.0:546:58//Hs.
 110099:AB010419
 F-NT2RM1000186//Homo sapiens clone 23763 unknown mRNA, partial cds//0.00081:126:70//Hs.92693:
 35 AF007155
 F-NT2RM1000187//ESTs//3.4e-79:400:96//Hs.54971:AI424382
 F-NT2RM1000199//Homo sapiens mRNA for KIAA0722 protein, complete cds//0.87:454:59//Hs.47061:AF045458
 F-NT2RM1000242
 F-NT2RM1000244//Homo sapiens centrosomal Nek2-associated protein 1 (C-NAP1) mRNA, complete cds//0.97:
 40 135:66//Hs.27910:AF049105
 F-NT2RM1000252//TRICHOHYALIN//0.030:273:58//Hs.82276:L09190
 F-NT2RM1000256//Glutamine-fructose-6-phosphate transaminase//1.5e-13:248:69//Hs.1674:M90516
 F-NT2RM1000257//ESTs, Highly similar to similar to mago nashi [H.sapiens]//2.9e-98:530:93//Hs.104650:
 AI037879
 45 F-NT2RM1000260//Human mRNA for KIAA0130 gene, complete cds//2.1e-58:460:80//Hs.23106:D50920
 F-NT2RM1000271//ESTs//0.93:224:60//Hs.91226:AA649047
 F-NT2RM1000272
 F-NT2RM1000280//ESTs, Highly similar to VACUOLAR ATP SYNTHASE SUBUNIT D [Bos taurus]//1.3e-21:308:
 73//Hs.15071:AA781144
 50 F-NT2RM1000300
 F-NT2RM1000314//Human mRNA for KIAA0159 gene, complete cds//2.6e-128:708:92//Hs.5719:D63880
 F-NT2RM1000318//Human mRNA for ribosomal protein L39, complete cds//1.8e-35:182:99//Hs.9837:D79205
 F-NT2RM1000341//ESTs//2.3e-72:381:95//Hs.23070:AA631976
 F-NT2RM1000354//EST//5.2e-27:202:84//Hs.151186:AI125798
 55 F-NT2RM1000355//ESTs, Weakly similar to putative [M.musculus]//7.7e-75:387:95//Hs.108619:W28608
 F-NT2RM1000365//ESTs//1.7e-99:495:97//Hs.103926:AA165691
 F-NT2RM1000377//ESTs, Weakly similar to protein-tyrosine-phosphatase [H.sapiens]//7.4e-91:481:95//Hs.
 163707:AA137181

- F-NT2RM1000388//65 KD YES-ASSOCIATED PROTEIN//0.36:340:57//Hs.8939:X80507
 F-NT2RM1000394//HISTONE H3.3//8.5e-91:474:93//Hs.118838:M11353
 F-NT2RM1000399
 F-NT2RM1000421
 5 F-NT2RM1000430//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//1.2e-85:418:97//
 Hs.20815:AF084928
 F-NT2RM1000499//ESTs, Weakly similar to KIAA0167 protein [H.sapiens]//1.6e-38:201:97//Hs.106262:AI052382
 F-NT2RM1000539//EST//0.070:145:62//Hs.149711:AI284660
 F-NT2RM1000553//EST//2.2e-48:265:95//Hs.99230:AA449847
 10 F-NT2RM1000555//ESTs//0.82:193:61//Hs.96944:AI359957
 F-NT2RM1000563//Human plectin (PLEC1) mRNA, complete cds//1.0:336:58//Hs.79706:U53204
 F-NT2RM1000623//Homo sapiens mRNA for KIAA0287 gene, partial cds//0.98:226:61//Hs.17931:AB006625
 F-NT2RM1000648//ESTs, Weakly similar to similar to M. musculus MER5 and other AHPC/TSA proteins [C.ele-
 gans]//6.2e-51:254:98//Hs.132096:AA314601
 15 F-NT2RM1000661//Homo sapiens translation initiation factor 4e mRNA, complete cds//8.5e-55:276:97//Hs.19122:
 AF038957
 F-NT2RM1000666//Homo sapiens BAI 1 mRNA, complete cds//0.87:274:60//Hs.113936:AB005297
 F-NT2RM1000669//ESTs//5.5e-63:481:85//Hs.90527:AI188279
 F-NT2RM1000672
 20 F-NT2RM1000691//Homa sapiens mRNA for HRIHFB2060, partial cds//7.0e-121:582:98//Hs.146282:AB015348
 F-NT2RM1000699//ESTs//1.1e-89:435:97//Hs.28964:AA715101
 F-NT2RM1000702//ESTs//5.4e-90:429:99//Hs.151001:AA564706
 F-NT2RM1000725//Homo sapiens mRNA for neuropathy target esterase//1.5e-66:435:85//Hs.5038:AJ004832
 F-NT2RM1000741//Homo sapiens mRNA for KIAA0567 protein, partial cds//2.6e-127:690:92//Hs.147946:
 25 AB011139
 F-NT2RM1000742//Homo sapiens AC133 antigen mRNA, complete cds//8.2e-68:524:83//Hs.112360:AF027208
 F-NT2RM1000746//ESTs//2.6e-37:231:89//Hs.94446:AA845465
 F-NT2RM1000770//Homo sapiens KIAA0425 mRNA, complete cds//3.3e-09:321:63//Hs.150390:AB007885
 F-NT2RM1000772//Eukaryotic translation initiation factor 3 (eIF-3) p36 subunit//0.053:271:60//Hs.139745 :
 30 U39067
 F-NT2RM1000780//Human Line-1 repeat mRNA with 2 open reading frames//6.9e-20:128:94//Hs.23094:M19503
 F-NT2RM1000781//ESTs//4.4e-60:346:92//Hs.35089:N50845
 F-NT2RM1000800
 F-NT2RM1000802
 35 F-NT2RM1000811//Homo sapiens AC133 antigen mRNA, complete cds//1.2e-64:490:84//Hs.112360:AF027208
 F-NT2RM1000826//ESTs//0.82:193:61//Hs.96944:AI359957
 F-NT2RM1000829//Mannose-binding lectin, soluble (opsonic defect)//0.92:283:58//Hs.2314:X15422
 F-NT2RM1000833//Hydroxysteroid (11-beta) dehydrogenase 2//0.022:178:67//Hs.1376:U26726
 F-NT2RM1000850//Human protein tyrosine kinase related mRNA sequence//3.8e-06:384:59//Hs.90314:L05148
 40 F-NT2RM1000852//Homo sapiens mRNA for ATP-dependent RNA helicase, partial//3.0e-149:726:97//Hs.99423:
 AJ010840
 F-NT2RM1000857//ESTs//0.52:274:60//Hs.112095:AA447643
 F-NT2RM1000867//ESTs, Highly similar to signal peptidase:SUBUNIT//5.3e-54:277:96//Hs.11125:AI015619
 F-NT2RM1000874//ESTs//0.032:185:64//Hs.97713:AA442239
 45 F-NT2RM1000882//Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1
 gene//4.0e-155:750:97//Hs.132898:AC004770
 F-NT2RM1000883//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//8.8e-158:762:97//Hs.
 26285:AF082516
 F-NT2RM1000885//Homo sapiens mRNA for KIAA0661 protein, complete cds//6.3e-19:310:67//Hs.65238:
 50 AB014561
 F-NT2RM1000894
 F-NT2RM1000898
 F-NT2RM1000905//EST//4.8e-07:77:84//Hs.148017:AI268701
 F-NT2RM1000924//HOMEOBOX PROTEIN HOX-A5//0.00051:458:59//Hs.37034:M26679
 55 F-NT2RM1000927//Homo sapiens mRNA for KIAA0807 protein, partial cds//0.084:386:58//Hs.101474:AB018350
 F-NT2RM1000962//Human mRNA for KIAA0252 gene, partial cds//0.98:299:59//Hs.83419:D87440
 F-NT2RM1000978
 F-NT2RM1001003//Homo sapiens alpha-catenin related protein (ACRP) mRNA, complete cds//1.3e-161:760:98//

- Hs.58488:U97067
 F-NT2RM1001008//ESTs//1.3e-12:144:75//Hs.133122:AI025200
 F-NT2RM1001043//EST//0.24:117:64//Hs.161536:N80395
 F-NT2RM1001044//ESTs, Weakly similar to C43E11.9[C.elegans]//3.0e-98:491:96//Hs.102173:AA045270
 5 F-NT2RM1001059//Human plectin (PLEC1) mRNA, complete cds//0.52:533:57//Hs.79706:U53204
 F-NT2RM1001066//ESTs//1.2e-114:538:99//Hs.129020:AI380703
 F-NT2RM1001072//Human beige-like protein (BGL) mRNA, partial cds//0.69:586:56//Hs.62354:M83822
 F-NT2RM1001074//Macrophage stimulating 1 (hepatocyte growth factor-like)//0.0019:294:64//Hs.30223:X90846
 F-NT2RM1001082//Archain//3.9e-37:290:81//Hs.33642:X81198
 10 F-NT2RM1001085
 F-NT2RM1001092//Zinc finger protein 43 (HTF6)//1.9e-57:770:68//Hs.74107:X59244
 F-NT2RM1001102//ESTs//1.2e-35:638:63//Hs.131737:AI343331
 F-NT2RM1001105//WEE1-LIKE PROTEIN KINASE//0.0024:246:63//Hs.75188:U10564
 F-NT2RM1001112//ESTs//8.9e-82:437:93//Hs.6330:H38495
 15 F-NT2RM1001115
 F-NT2RM1001139//Keratin 9//1.5e-05:518:59//Hs.2783:Z29074
 F-NT2RM2000006//ESTs//3.9e-16:96:98//Hs.101117:AA576113
 F-NT2RM2000013//RNA polymerase II polypeptide B (140 kD)//6.3e-13:640:59//Hs.148027:X63563
 F-NT2RM2000030
 20 F-NT2RM2000032//ESTs//7.1 e-18:138:68//Hs.114031:AA700958
 F-NT2RM2000042//ESTs//0.0091:241:61//Hs.147895:AI286243
 F-NT2RM2000092
 F-NT2RM2000093//ESTs//2.6e-40:226:94//Hs.163521:H42085
 F-NT2RM2000101//ESTs//1.0:235:61//Hs.48860:N27428
 25 F-NT2RM2000124//Protein kinase, cAMP-dependent, catalytic, alpha//5.8e-46:287:88//Hs.77271:X07767
 F-NT2RM2000191//Homo sapiens cGMP phosphodiesterase A1 (PDE9A) mRNA, complete cds//3.0e-139:566:97//Hs.18953:AF067223
 F-NT2RM2000192//EST//3.5e-07:168:65//Hs.163122:AA756999
 F-NT2RM2000239//ESTs, Weakly similar to K04G2.6 [C.elegans]//3.6e-93:489:95//Hs.143499:R72672
 30 F-ntnnnnnnnnnn//ESTs//1.0e-70:269:97//Hs.156175:AI334328
 F-NT2RM2000250//Homo sapiens mRNA for KIAA0590 protein, complete cds//1.0e-129:615:98//Hs.111862:AB011162
 F-NT2RM2000259//ESTs//6.1e-30:172:85//Hs.116406:AA209520
 F-NT2RM2000260//ESTs//2.5e-25:133:93//Hs.14169:AA203500
 35 F-NT2RM2000287//ESTs//6.2e-13:97:83//Hs.118523:H98981
 F-NT2RM2000322//Interferon regulatory factor 5//0.84:208:61//Hs.54434:U51127
 F-NT2RM2000359//Homo sapiens mRNA for KIAA0560 protein, complete cds//2.8e-176:805:99//Hs.129952:AB011132
 F-NT2RM2000363//ESTs//1.2e-24:139:96//Hs.48818:N63543
 40 F-NT2RM2000368//Homo sapiens protein kinase C-binding protein RACK7 mRNA, partial cds//3.7e-96:599:86//Hs.75871:U48251
 F-NT2RM2000371
 F-NT2RM2000374//ESTs//3.2e-13:98:91//Hs.65853:AI050866
 F-NT2RM2000395//Growth arrest-specific 1//0.80:129:67//Hs.65029:L13698
 45 F-NT2RM2000402//Human p76 mRNA, complete cds//7.2e-23:714:59//Hs.28757:U81006
 F-NT2RM2000407//ESTs//9.4e-92:458:96//Hs.148873:T33582
 F-NT2RM2000420//EST//1.8e-61:296:99//Hs.147186:AI193053
 F-NT2RM2000422//Solute carrier family 6 (neurotransmitter transporter, serotonin), member 4//1.5e-06:260:61//Hs.553:L05568
 50 F-NT2RM2000452//ESTs//1.0:132:62//Hs.110004:AI097379
 F-NT2RM2000469//ESTs//0.34:249:60//Hs.149575:AI281807
 F-NT2RM2000490//Homo sapiens mRNA for KIAA0747 protein, partial cds//2.4e-16:386:63//Hs.8309:AB018290
 F-NT2RM2000502//Human nicotinamide N-methyltransferase (NNMT) mRNA, complete cds//0.99:272:61//Hs.76669:U08021
 55 F-NT2RM2000504//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds//1.6e-172:824:97//Hs.4812:AF061243
 F-NT2RM2000522//Homo sapiens Nck-2 (NCK2) mRNA, complete cds//0.18:313:60//Hs.129725:AF047487
 F-NT2RM2000540//ESTs, Weakly similar to C27F2.7 gene product [C.elegans]//2.7e-41:231:94//Hs.7049:

- AI141736
 F-NT2RM2000556//ESTs//3.1e-33:183:96//Hs.136990:AA769220
 F-NT2RM2000566//Integrin, alpha 7B//2.0e-155:751:97//Hs.74369:AF032108
 F-NT2RM2000567//RYANODINE RECEPTOR, SKELETAL MUSCLE//6.3e-09:689:59//Hs.89631:U48508
 5 F-NT2RM2000569//ESTs//5.4e-17:170:77//Hs.158277:H09128
 F-NT2RM2000577//ESTs, Highly similar to ISOLEUCYL-TRNA SYNTHETASE, MITOCHONDRIAL [Saccharomyces cerevisiae]//1.4e-33:214:92//Hs.55609:W37993
 F-NT2RM2000581//Homo sapiens mRNA for KIAA0214 protein, complete cds//1.8e-175:820:98//Hs.3363:D86987
 10 F-NT2RM2000588//ESTs//1.5e-33:183:97//Hs.136990:AA769220
 F-NT2RM2000594
 F-NT2RM2000599//Homo sapiens Mad4 homolog (Mad4) mRNA, complete cds//0.017:253:65//Hs.102402:AF040963
 F-NT2RM2000609//ESTs//1.0:220:59//Hs.110155:AA007313
 15 F-NT2RM2000612//ESTs//0.97:208:59//Hs.73217:AA846548
 F-NT2RM2000623//Homo sapiens mRNA for KIAA0521 protein, partial cds//0.024:326:59//Hs.6150:AB011093
 F-NT2RM2000624//ESTs//2.3e-118:557:99//Hs.145904:AA203258
 F-NT2RM2000635//Homo sapiens mRNA for KIAA0729 protein, partial cds//2.0e-143:664:98//Hs.19542:AB018272
 20 F-NT2RM2000636//Homo sapiens mRNA for KIAA0658 protein, partial cds//2.4e-139:664:98//Hs.7278:AB014558
 F-NT2RM2000639//ESTs//0.98:144:65//Hs.154364:AI189702
 F-NT2RM2000649//Homo sapiens mRNA for KIAA0676 protein, partial cds//3.4e-169:518:99//Hs.115763:AB014576
 F-NT2RM2000669//ESTs//1.3e-56:283:98//Hs.156342:AI337371
 25 F-NT2RM2000691//Homo sapiens actin-related protein Arp3 (ARP3) mRNA, complete cds//6.7e-86:746:74//Hs.5321:AF006083
 F-NT2RM2000714//Human mRNA for KIAA0231 gene, partial cds//2.2e-50:748:64//Hs.7938:D86984
 F-NT2RM2000718//Homo sapiens mRNA for HRIHFB2436, partial cds//7.6e-126:594:98//Hs.136058:AB015342
 F-NT2RM2000735//Zinc finger protein 43 (HTF6)//2.7e-112:756:82//Hs.74107:X59244
 30 F-NT2RM2000740//ESTs, Highly similar to HYPOTHETICAL 132.7 KD HELICASE IN ALG7-ENP1 INTERGENIC REGION [Saccharomyces cerevisiae]//4.2e-85:464:91//Hs.161551:W24286
 F-NT2RM2000795//Homo sapiens tapasin (NGS-17) mRNA, complete cds//1.0e-82:640:81//Hs.5247:AF029750
 F-NT2RM2000821//Human mRNA for KIAA0340 gene, partial cds//0.32:679:59//Hs.105919:AB002338
 F-NT2RM2000837//ESTs//2.3e-105:501:98//Hs.101514:AI346701
 35 F-NT2RM2000951//Homo sapiens XYLB mRNA for xylulokinase, complete cds//2.8e-185:847:99//Hs.137580:AB015046
 F-NT2RM2000952//ESTs, Weakly similar to lethal(2)denticleless [D.melanogaster]//6.2e-94:441:99//Hs.59075:AI023761
 F-NT2RM2000984//Human mRNA for KIAA0246 gene, partial cds//0.94:351:62//Hs.84753:D87433
 40 F-NT2RM2001004//ESTs//5.0e-10:247:64//Hs.36049:AA436831
 F-NT2RM2001035//ESTs, Highly similar to POP2 PROTEIN [Saccharomyces cerevisiae]//2.9e-48:282:93//Hs.17035:AI080471
 F-NT2RM2001065
 F-NT2RM2001100//Homo sapiens mRNA for serin protease with IGF-binding motif, complete cds//1.7e-08:449:62//Hs.75111:D87258
 45 F-NT2RM2001105//Homo sapiens proline and glutamic acid rich nuclear protein isoform mRNA, partial cds//0.00079:274:59//Hs.102732:U88153
 F-NT2RM2001131//TRICHOHYALIN//2.5e-20:684:62//Hs.82276:L09190
 F-NT2RM2001141
 50 F-NT2RM2001152//ESTs//0.53:333:58//Hs.153087:AA649042
 F-NT2RM2001177
 F-NT2RM2001194//ESTs, Weakly similar to T28H10.2 [C.elegans]//2.4e-23:149:93//Hs.10618:AI288739
 F-NT2RM2001196//ESTs//4.0e-98:486:97//Hs.59628:W91959
 F-NT2RM2001201//Human mRNA for KIAA0005 gene, complete cds//2.8e-44:554:69//Hs.155291:D13630
 55 F-NT2RM2001221//Homo sapiens mRNA for KIAA0806 protein, complete cds//0.97:165:64//Hs.24279:AB018349
 F-NT2RM2001238//EST//6.8e-67:420:89//Hs.130586:AI004766
 F-NT2RM2001243//V-jun avian sarcoma virus 17 oncogene homolog//0.87:125:64//Hs.75889:U65928
 F-NT2RM2001247//Homo sapiens antigen NY-CO-16 mRNA, complete cds//0.0066:321:61//Hs.132206:

AF039694
 F-NT2RM2001256
 F-NT2RM2001291//ESTs//1.1e-86:459:93//Hs.10267:W27845
 F-NT2RM2001306//Homo sapiens paraoxonase (PON2) mRNA, complete cds//1.0:182:65//Hs.75221:AF001601
 5 F-NT2RM2001312//ESTs//2.0e-35:338:70//Hs.141440:N21615
 F-NT2RM2001319//ESTs, Weakly similar to No definition line found [C.elegans]//5.2e-30:277:77//Hs.25347:AI138605
 F-NT2RM2001324//Homo sapiens mRNA for beta-spectrin III, complete cds//0.031:245:62//Hs.26915:AB008567
 F-NT2RM2001345//ESTs//9.2e-91:428:99//Hs.151001:AA564706
 10 F-NT2RM2001360//ESTs//0.98:45:80//Hs.133520:AA878905
 F-NT2RM2001370//Human transportin (TRN) mRNA, complete cds//0.72:224:61//Hs.82925:U70322
 F-NT2RM2001393//Mannosidase, alpha B, lysosomal//0.42:383:57//Hs.108969:U68382
 F-NT2RM2001420//EST//1.0:287:62//Hs.125285:AA830378
 F-NT2RM2001424//Homo sapiens mRNA for E1B-55kDa-associated protein//2.3e-97:453:99//Hs.155218:AJ007509
 15 F-NT2RM2001499//Ecotropic retroviral receptor//5.4e-47:589:68//Hs.2928:X57303
 F-NT2RM2001504//Homo sapiens agrin precursor mRNA, partial cds//0.25:328:60//Hs.68900:AF016903
 F-NT2RM2001524//ESTs//1.0e-11:93:90//Hs.33687:R85969
 F-NT2RM2001544//ESTs//1.0e-25:157:92//Hs.137451:AA351459
 20 F-NT2RM2001547//ESTs//2.0e-29:168:96//Hs.116392:AA936262
 F-NT2RM2001575//Sjogren syndrome antigen A1 (52kD, ribonucleoprotein autoantigen SS-A/Ro)//6.9e-28:582:64//Hs.1042:M62800
 F-NT2RM2001582//ESTs, Moderately similar to red-1 [M.musculus]//0.0032:57:89//Hs.114722:AA448077
 F-NT2RM2001588//Homo sapiens KIAA0442 mRNA, partial cds//2.3e-11:282:65//Hs.32168:AB007902
 25 F-NT2RM2001592//ESTs//4.8e-73:372:95//Hs.163801:AI391729
 F-NT2RM2001605//Homo sapiens clone 23592 mRNA sequence//7.3e-87:749:75//Hs.76272:S66431
 F-NT2RM2001613//ESTs, Highly similar to PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT [Canis familiaris]//1.3e-17:181:75//Hs.131840:AI016073
 F-NT2RM2001632//EST//8.7e-18:222:76//Hs.160402:AI393918
 30 F-NT2RM2001635//Homo sapiens mRNA for KIAA0618 protein, complete cds//3.0e-154:740:98//Hs.15832:AB014518
 F-NT2RM2001637//ESTs//2.2e-06:386:61//Hs.145198:AI276952
 F-NT2RM2001641//ESTs, Highly similar to NADH-CYTOCHROME B5 REDUCTASE [Bos taurus]//3.5e-13:94:92//Hs.22142:AA814725
 35 F-NT2RM2001648//ESTs, Highly similar to PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT [Canis familiaris]//1.3e-17:181:75//Hs.131840:AI016073
 F-NT2RM2001652//ESTs//2.5e-06:82:80//Hs.128203:AA972301
 F-NT2RM2001659//ESTs//2.8e-15:92:98//Hs.123321:AA810287
 F-NT2RM2001664//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds//1.2e-173:802:99//Hs.31323:AF044195
 40 F-NT2RM2001668//ESTs, Weakly similar to DNA MISMATCH REPAIR PROTEIN MSH6 [H.sapiens]//1.1e-136:671:97//Hs.27721:U17907
 F-NT2RM2001670//Homo sapiens mRNA for KIAA0557 protein, partial cds//1.1e-25:352:70//Hs.101414:AB011129
 45 F-NT2RM2001671//ESTs//1.8e-08:63:98//Hs.158069:AI365356
 F-NT2RM2001675
 F-NT2RM2001681//ESTs//0.16:197:63//Hs.20585:R10305
 F-NT2RM2001688//ESTs//1.8e-24:130:100//Hs.162504:AA668211
 F-NT2RM2001695//EST//5.6e-51:189:89//Hs.162197:AA535216
 50 F-NT2RM2001696//ESTs, Highly similar to gene ERCC5 protein [H.sapiens]//5.8e-16:144:84//Hs.14671:T79937
 F-NT2RM2001698//ESTs//0.14:184:63//Hs.148080:AI277415
 F-NT2RM2001699//ESTs//6.5e-14:136:79//Hs.127790:AI003817
 F-NT2RM2001700//Homo sapiens putative seven pass transmembrane protein (TM7SF1) mRNA, complete cds//0.95:270:61//Hs.15791:AF027826
 55 F-NT2RM2001706//ESTs//2.8e-47:304:86//Hs.146811:AA410788
 F-NT2RM2001716//Semenogelin I//0.98:153:64//Hs.1968:M81650
 F-NT2RM2001718
 F-NT2RM2001723//Homo sapiens clone 23770 mRNA sequence//4.4e-28:163:95//Hs.12457:AF052123

EP 1 074 617 A2

F-NT2RM2001727//Homo sapiens mRNA for KIAA0462 protein, partial cds//2.0e-112:530:98//Hs.129937:AB007931

F-NT2RM2001730//Homo sapiens mRNA for KIAA0560 protein, complete cds//0.95:269:58//Hs.129952:AB011132

5 F-NT2RM2001743

F-NT2RM2001753//Human AF-6 mRNA, complete cds//0.095:350:59//Hs.100469:AB011399

F-NT2RM2001760//ESTs, Highly similar to PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT [Canis familiaris]//1.3e-17:181:75//Hs.131840:AI016073

F-NT2RM2001768//ESTs//0.61:189:62//Hs.144847:AI222742

10 F-NT2RM2001771//Zinc finger protein 10 (KOX 1)//1.1e-66:669:71//Hs.2479:X78933

F-NT2RM2001782//YY1 transcription factor//0.094:149:65//Hs.97496:M77698

F-NT2RM2001784//ESTs//8.2e-31:190:92//Hs.144587:AI193595

F-NT2RM2001785//Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1 gene//1.6e-48:476:74//Hs.132898:AC004770

15 F-NT2RM2001797//Human mRNA for KIAA0065 gene, partial cds//6.1e-66:481:72//Hs.70617:D31763

F-NT2RM2001800//Human mRNA for transcriptional activator hSNF2b, complete cds//0.49:142:66//Hs.78202:U29175

F-NT2RM2001803//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds//2.7e-179:827:99//Hs.31323:AF044195

20 F-NT2RM2001805//EST//1.0:45:80//Hs.159007:AI381341

F-NT2RM2001813//EST//0.41:268:58//Hs.150031:AI292068

F-NT2RM2001823//H.sapiens mRNA for 218kD Mi-2 protein//9.7e-21:554:60//Hs.74441:X86691

F-NT2RM2001839//Homo sapiens calumein (Calu) mRNA, complete cds//1.2e-132:738:90//Hs.7753:AF013759

F-NT2RM2001840//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.8e-58:329:86//Hs.113283:AF018080

25 F-NT2RM2001855//ADP-ribosylation factor 5//1.0:301:60//Hs.77541:M57567

F-NT2RM2001867//ESTs, Weakly similar to ZK792.1 [C.elegans]//3.0e-28:421:66//Hs.8763:W30741

F-NT2RM2001879//ESTs//6.3e-43:234:94//Hs.122546:AA186723

F-NT2RM2001886//Homo sapiens mRNA for KIAA0710 protein, complete cds//6.1e-189:866:97//Hs.4198:AB014610

30 F-NT2RM2001896//Homo sapiens mRNA for JM23 protein, complete coding sequence (clone IMAGE 34581 and IMAGE 45355 and LLNLc1101133Q7 (RZPD Berlin))//3.0e-13:606:57//Hs.23170:AJ005892

F-NT2RM2001903//Homo sapiens mRNA for KIAA0462 protein, partial cds//9.4e-178:859:97//Hs.129937:AB007931

F-NT2RM2001930//Homo sapiens semaphorin F homolog mRNA, complete cds//4.2e-08:481:59//Hs.27621:U52840

35 F-NT2RM2001935//ESTs, Highly similar to MULTIDRUG RESISTANCE PROTEIN HOMOLOG 50 [Drosophila melanogaster]//0.37:424:60//Hs.118634:U66688

F-NT2RM2001936//Homo sapiens clone 614 unknown mRNA, complete sequence//2.2e-139:653:98//Hs.21811:AF091080

40 F-NT2RM2001950//ESTs//0.12:91:76//Hs.107295:W80392

F-NT2RM2001982

F-NT2RM2001983//Homo sapiens Tax interaction protein 2 mRNA, partial cds//1.2e-21:123:98//Hs.6454:AF089816

F-NT2RM2001989//Homo sapiens mRNA for DRIM protein//0.71:319:59//Hs.104135:AJ006778

45 F-NT2RM2001997//ESTs//1.7e-25:135:100//Hs.126894:AA932538

F-NT2RM2001998//ESTs, Weakly similar to Mi-2 protein [H.sapiens]//0.99:271:60//Hs.63888:AA203398

F-NT2RM2002004//Homo sapiens mRNA for KIAA0731 protein, partial cds//3.5e-37:509:65//Hs.6214:AB018274

F-NT2RM2002014//Homo sapiens mRNA for CRM1 protein, complete cds//0.79:429:58//Hs.79090:D89729

F-NT2RM2002030//Glutamine-fructose-6-phosphate transaminase//9.0e-89:822:73//Hs.1674:M90516

50 F-NT2RM2002049//ESTs//0.99:109:71//Hs.19303:AA928427

F-NT2RM2002055//ESTs//1.1e-91:453:98//Hs.158370:AI382154

F-NT2RM2002088//ESTs//6.1e-75:302:96//Hs.153471:AI198377

F-NT2RM2002091//RYANODINE RECEPTOR, SKELETAL MUSCLE//0.69:293:58//Hs.89631:U48508

F-NT2RM2002100//Homo sapiens mRNA for ATP-dependent RNA helicase, partial//2.5e-165:776:98//Hs.99423:AJ010840

55 F-NT2RM2002109//Homo sapiens glioma amplified on chromosome 1 protein (GAC1) mRNA, complete cds//7.6e-145:684:98//Hs.26312:AF030435

F-NT2RM2002128

F-NT2RM2002142//ESTs//0.0031:183:66//Hs.144505:AA757274
 F-NT2RM2002145//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//1.4e-144:800:92//Hs.20815:AF084928
 5 F-NT2RM2002178//Homo sapiens mRNA for KIAA0467 protein, partial cds//1.7e-165:787:97//Hs.11147:AB007936
 F-NT2RM2002580//Keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris)//0.064:291:61//Hs.99936:X14487
 F-NT2RM4000024//RNA polymerase II polypeptide B (140 kD)//8.0e-10:610:59//Hs.148027:X63563
 F-NT2RM4000027//ESTs//1.6e-64:352:94//Hs.21331:H93074
 10 F-NT2RM4000030//ESTs//1.0:115:63//Hs.131055:AI391464
 F-NT2RM4000046//ESTs//2.6e-09:207:65//Hs.143533:AI094674
 F-NT2RM4000061//ESTs//0.89:207:60//Hs.98445:AI038511
 F-NT2RM4000085//ESTs, Weakly similar to The KIAA0134 gene product is related to human RNA helicase A. [H. sapiens]//1.6e-30:369:70//Hs.114623:AI204280
 15 F-NT2RM4000086
 F-NT2RM4000104//Homo sapiens chromosome 16 zinc finger protein ZNF210 (ZNF210) mRNA, complete cds//1.3e-24:345:69//Hs.13128:AF060865
 F-NT2RM4000139
 F-NT2RM4000155
 20 F-NT2RM4000156//ESTs//5.9e-73:345:100//Hs.155958:AA573632
 F-NT2RM4000167//Homo sapiens kinesin family member protein KIF3A mRNA, complete cds//9.8e-30:676:61//Hs.159228:AF041853
 F-NT2RM4000169//ESTs//2.0e-103:483:99//Hs.43729:AA497044
 F-NT2RM4000191//TRICHOHYALIN//0.011:324:60//Hs.82276:L09190
 25 F-NT2RM4000197//ESTs//1.5e-48:311:88//Hs.136144:W27744
 F-NT2RM4000199//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//0.13:322:61//Hs.145088:AI221147
 F-NT2RM4000200
 F-NT2RM4000202//Homo sapiens mRNA for KIAA0288 gene, complete cds//0.0027:424:60//Hs.91400:AB006626
 30 F-NT2RM4000210//Homo sapiens mRNA for KIAA0712 protein, complete cds//4.4e-184:856:98//Hs.111138:AB018255
 F-NT2RM4000215//SET translocation (myeloid leukemia-associated)//0.0013:358:60//Hs.75055:M93651
 F-NT2RM4000229//Homo sapiens mRNA for KIAA0722 protein, complete cds//0.65:572:60//Hs.47061:AF045458
 35 F-NT2RM4000233//ESTs//2.0e-37:269:85//Hs.148873:T33582
 F-NT2RM4000244//EST//0.83:319:57//Hs.162412:AA573439
 F-NT2RM4000251//ESTs, Weakly similar to CUT1 PROTEIN [Schizosaccharomyces pombe]//1.1e-16:112:92//Hs.93841:AA442297
 F-NT2RM4000265//Homo sapiens mRNA for alpha(1,2)fucosyltransferase, complete cds//1.8e-48:229:83//Hs.46328:D87942
 40 F-NT2RM4000290//Human transducin-like enhancer protein (TLE3) mRNA, complete cds//2.5e-154:609:93//Hs.31305:M99438
 F-NT2RM4000324//Homo sapiens hCPE-R mRNA for CPE-receptor, complete cds//0.070:460:59//Hs.5372:AB000712
 45 F-NT2RM4000327//ESTs//0.019:269:60//Hs.153697:AI240707
 F-NT2RM4000344//ESTs, Highly similar to YME1 PROTEIN [Saccharomyces cerevisiae]//2.7e-83:432:95//Hs.12796:W27884
 F-NT2RM4000349//Human mRNA for KIAA0005 gene, complete cds//5.2e-53:666:68//Hs.155291:D13630
 50 F-NT2RM4000354//ESTs, Weakly similar to lethal(2)denticleless [D.melanogaster]//0.0078:55:92//Hs.59075:M023761
 F-NT2RM4000356//ESTs//1.0:225:60//Hs.161175:AI418425
 F-NT2RM4000366//Homo sapiens mRNA for KIAA0642 protein, partial cds//5.3e-135:628:99//Hs.8152:AB014542
 F-NT2RM4000368//ESTs//4.9e-13:323:63//Hs.143695:AA662745
 55 F-NT2RM4000386//Human DNA sequence from clone 1052M9 on chromosome Xq25. Contains the SH2D1A gene for SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome) (DSHP), part of a 60S Acidic Ribosomal protein 1 (RPLP1) LIKE gene and part of a mouse DOC4 LIKE gene. Contains ESTs and GSSs//2.0e-72:843:68//Hs.23796:AL022718
 F-NT2RM4000395//Nitric oxide synthase 2A (inducible, hepatocytes)//0.63:166:65//Hs.946:X73029

EP 1 074 617 A2

- F-NT2RM4000414//Homo sapiens XYLB mRNA for xylulokinase, complete cds//4.9e-17:114:94//Hs.137580:AB015046
- F-NT2RM4000421
- 5 F-NT2RM4000425//Homo sapiens mRNA for KIAA0594 protein, partial cds//1.1e-42:432:74//Hs.154872:AB011166
- F-NT2RM4000433//Colony stimulating factor 3 receptor (granulocyte)//0.023:543:58//Hs.2175:M59820
- F-NT2RM4000457
- F-NT2RM4000471//Human transcriptional corepressor hKAP1/TIF1B mRNA, complete cds//0.060:178:631//Hs.66369:U95040
- 10 F-NT2RM4000486//ESTs//9.2e-48:237:99//Hs.160685:AI280004
- F-NT2RM4000496//ESTs//0.069:252:61//Hs.155958:AA573632
- F-NT2RM4000511//EST//0.92:191:58//Hs.61517:AA028915
- F-NT2RM4000514
- F-NT2RM4000515//ESTs//7.3e-93:450:98//Hs.120975:AA034409
- 15 F-NT2RM4000520//ESTs//0.13:183:65//Hs.144828:AI221305
- F-NT2RM4000531//ESTs, Highly similar to ZINC FINGER PROTEIN MLZ-4 [Mus musculus]//1.8e-153:756:96//Hs.125870:AI364967
- F-NT2RM4000532//ESTs//7.7e-43:388:78//Hs.105665:H78987
- F-NT2RM4000534
- 20 F-NT2RM4000585
- F-NT2RM4000590//Homo sapiens mRNA for KIAA0469 protein, complete cds//1.2e-19:593:62//Hs.7764:AB007938
- F-NT2RM4000595//ESTs, Highly similar to HYPOTHETICAL 54.9 KD PROTEIN C02F5.7 IN CHROMOSOME III [Caenorhabditis elegans]//3.1e-104:532:96//Hs.6092:T75227
- 25 F-NT2RM4000603//Human mRNA for KIAA0392 gene, partial cds//1.7e-15:305:68//Hs.40100:AB002390
- F-NT2RM4000611//EST//0.76:268:58//Hs.150031:AI292068
- F-NT2RM4000616
- F-NT2RM4000674
- F-NT2RM4000689
- 30 F-NT2RM4000698//Apolipoprotein E//1.0:290:59//Hs.76260:M12529
- F-NT2RM4000700
- F-NT2RM4000712//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds//3.5e-91:744:77//Hs.42400:AF022789
- F-NT2RM4000717//ESTs, Highly similar to BONE MORPHOGENETIC PROTEIN 1 PRECURSOR [Mus musculus]//2.6e-163:771:97//Hs.6823:W18181
- 35 F-NT2RM4000733//PUTATIVE TACHYKININ RECEPTOR//0.70:257:60//Hs.957:M84605
- F-NT2RM4000734//Homo sapiens mRNA for KIAA0760 protein, partial cds//1.2e-159:743:98//Hs.137168:AB018303
- F-NT2RM4000741
- 40 F-NT2RM4000751//ESTs, Highly similar to ZINC FINGER PROTEIN MLZ-4 [Mus musculus]//1.1e-75:388:96//Hs.112361:R99396
- F-NT2RM4000764//ESTs//3.8e-104:539:95//Hs.24739:H67815
- F-NT2RM4000778//ESTs//1.5e-85:419:97//Hs.99838:AA204731
- F-NT2RM4000779//Homo sapiens mRNA for KIAA0451 protein, complete cds//1.8e-173:810:98//Hs.18586:AB007920
- 45 F-NT2RM4000787//EST//0.011:182:65//Hs.159928:AA969186
- F-NT2RM4000790//Homo sapiens chromosome 19, cosmid R27216//4.5e-156:736:98//Hs.25817:AC005306
- F-NT2RM4000795//ESTs, Highly Similar to LIVER CARBOXYLESTERASE PRECURSOR [Homo sapiens]//6.7e-19:160:80//Hs.124902:AI337820
- 50 F-NT2RM4000796//Human K+ channel subunit gene, complete cds//0.96:292:62//Hs.124212:M64676
- F-NT2RM4000798//ESTs//1.9e-34:271:82//Hs.128203:AA972301
- F-NT2RM4000813//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete cds//0.052:238:64//Hs.113265:AF032387
- F-NT2RM4000820//ESTs//0.053:274:61//Hs.23748:H16568
- 55 F-NT2RM4000833
- F-NT2RM4000848//Human mRNA for KIAA0324 gene, partial cds//0.97:374:61//Hs.7841:AB002322
- F-NT2RM4000852//EST//1.0:222:60//Hs.120354:AA718934
- F-NT2RM4000855//ESTs, Highly similar to RAS-RELATED C3 BOTULINUM TOXIN SUBSTRATE 2 [Homo sapiens]

ens//4.4e-29:164:95//Hs.115095:AI392943
 F-NT2RM4000887
 F-NT2RM4000895//Homo sapiens HuUAP1 mRNA for UDP-N-acetylglucosamine pyrophosphorylase, complete
 cds//6.8e-22:407:64//Hs.21293:AB011004
 5 F-NT2RM4000950
 F-NT2RM4000971//ESTs//3.6e-27:142:100//Hs.130912:AI014546
 F-NT2RM4000979//Homo sapiens KIAA0415 mRNA, complete cds//3.7e-63:571:77//Hs.7289:AB007875
 F-NT2RM4000996//Zinc finger protein 3 (A8-51)//8.7e-34:381:67//Hs.2481:X78926
 10 F-NT2RM4001002//Homo sapiens mRNA for KIAA0729 protein, partial cds//1.6e-171:803:98//Hs.19542:
 AB018272
 F-NT2RM4001016//Homo sapiens mRNA for KIAA0639 protein, partial cds//1.1e-126:584:99//Hs.15711:
 AB014539
 F-NT2RM4001032//Homo sapiens mRNA for KIAA0711 protein, complete cds//4.8e-05:469:58//Hs.5333:
 AB018254
 15 F-NT2RM4001047//ESTs, Moderately similar to MO25 PROTEIN [M.musculus]//7.0e-56:340:92//Hs.87310:
 AI247543
 F-NT2RM4001054//HIGH AFFINITY IMMUNOGLOBULIN GAMMA FC RECEPTOR I "A FORM" PRECURSOR//
 0.79:142:69//Hs.77424:M63835
 F-NT2RM4001084
 20 F-NT2RM4001092//Human mRNA for KIAA0050 gene, complete cds//0.045:235:62//Hs.108947:D30758
 F-NT2RM4001116
 F-NT2RM4001140//Human engrailed protein (EN2) gene, 5' end//0.00029:225:61//Hs.134989:L12701
 F-NT2RM4001151//ESTs//1.1e-07:190:65//Hs.151691:AA443730
 F-NT2RM4001155//ESTs//2.2e-12:181:74//Hs.128826:AI004145
 25 F-NT2RM4001160//EST//0.83:166:61//Hs.117051:AA677351
 F-NT2RM4001187
 F-NT2RM4001191//ESTs//1.3e-42:248:93//Hs.13475:R18220
 F-NT2RM4001200//Zinc finger protein 10 (KOX 1)//4.0e-68:799:69//Hs.2479:X78933
 F-NT2RM4001203//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//1.4e-153:707:99//Hs.
 30 14934:AF004828
 F-NT2RM4001204//ESTs, Moderately similar to HYPOTHETICAL 59.1 KD PROTEIN ZK637.1 IN CHROMOSOME
 III [Caenorhabditis elegans]//0.19:291:62//Hs.31582:AA877205
 F-NT2RM4001217//Homo sapiens nuclear matrix protein NRP/B (NRPB) mRNA, complete cds//7.0e-63:715:70//
 Hs.104925:AF059611
 35 F-NT2RM4001256//ESTs, Weakly similar to probable CBP3 protein homolog [C.elegans]//1.1e-67:208:96//Hs.
 26676:AA033997
 F-NT2RM4001258//Homo sapiens mRNA for KIAA0481 protein, complete cds//0.0019:435:59//Hs.6360:
 AB007950
 F-NT2RM4001309//Human Chromosome 16 BAC clone CIT987SK-254P9//0.019:356:59//Hs.26971:AC003003
 40 F-NT2RM4001313//H.sapiens mRNA for phosphatidylinositol 3-kinase//8.0e-79:474:89//Hs.32971:Z46973
 F-NT2RM4001316//ESTs//1.2e-14:126:84//Hs.154344:AA258335
 F-NT2RM4001320//Human mRNA for Neuroblastoma, complete cds//3.6e-43:642:66//Hs.87435:D89016
 F-NT2RM4001340//EST//0.40:135:70//Hs.161198:AI418988
 F-NT2RM4001344//ESTs, Highly similar to HYPOTHETICAL GTP-BINDING PROTEIN IN PMI40-PAC2 INTER-
 45 GENIC REGION [Saccharomyces cerevisiae]//0.0096:284:58//Hs.120997:R56714
 F-NT2RM4001347//ESTs, Weakly similar to weakly similar to ANK repeat region of Fowlpox virus BamHI-orf7
 protein [C.elegans]//3.7e-52:252:100//Hs.15301:AA167818
 F-NT2RM4001371//EST//0.52:262:59//Hs.145991:AI277656
 F-NT2RM4001382//Homo sapiens RanBP7/importin 7 mRNA, complete cds//7.2e-169:790:98//Hs.5151:
 50 AF098799
 F-NT2RM4001384
 F-NT2RM4001410//ESTs//1.1e-47:290:91//Hs.72447:AA160575
 F-NT2RM4001411//Homo sapiens mRNA for APS, complete cds//2.5e-23:475:64//Hs.105052:AB000520
 F-NT2RM4001412
 55 F-NT2RM4001414//ESTs, Moderately similar to 18547_1 [H.sapiens]//5.2e-18:133:87//Hs.28209:AI073817
 F-NT2RM4001437//Human mRNA for KIAA0118 gene, partial cds//2.5e-42:611:70//Hs.154326:D42087
 F-NT2RM4001444
 F-NT2RM4001454//ESTs//3.9e-31:169:96//Hs.117982:AA644658

EP 1 074 617 A2

F-NT2RM4001455//ESTs//0.0054:48:100//Hs.14920:AA910914
 F-NT2RM4001483//ESTs, Weakly similar to ZINC FINGER PROTEIN ZFP-36 [H.sapiens]//1.1e-71:313:99//Hs.163754:AA587784
 5 F-NT2RM4001489//Homo sapiens mRNA for KIAA0685 protein, complete cds//3.9e-157:724:99//Hs.153121:AB014585
 F-NT2RM4001519//ESTs//0.66:264:59//Hs.139891:AA553619
 F-NT2RM4001522//ESTs, Weakly similar to D9481.12 gene product [S.cerevisiae]//1.3e-114:536:99//Hs.88820:AA456247
 F-NT2RM4001557
 10 F-NT2RM4001565//ESTs//1.7e-107:509:99//Hs.146139:AA731487
 F-NT2RM4001566//Human phosphatidylinositol 3-kinase catalytic subunit p110delta mRNA, complete cds//1.0:255:60//Hs.14207:U86453
 F-NT2RM4001569//ESTs//1.4e-86:417:98//Hs.153044:AI198859
 F-NT2RM4001582
 15 F-NT2RM4001592//EST//0.61:142:64//Hs.162900:AA664566
 F-NT2RM4001594//Homo sapiens mRNA for KIAA0522 protein, partial cds//0.0072:484:60//Hs.129892:AB011094
 F-NT2RM4001597//ESTs, Moderately similar to red-1 [M.musculus]//2.3e-72:387:95//Hs.114722:AA448077
 F-NT2RM4001605//Homo sapiens mRNA for KIAA0791 protein, complete cds//1.1e-163:750:99//Hs.23255:AB018334
 20 F-NT2RM4001611//ESTs, Weakly similar to F25H9.6 [C.elegans]//8.6e-05:91:79//Hs.24647:W19739
 F-NT2RM4001629//ESTs, Moderately similar to 55 KD ERYTHROCYTE MEMBRANE PROTEIN [Homo sapiens]//0.0042:153:68//Hs.114832:AI147946
 F-NT2RM4001650//Human mRNA for KIAA0341 gene, partial cds//0.95:328:60//Hs.101761:AB002339
 25 F-NT2RM4001662//Human mRNA for KIAA0322 gene, partial cds//8.3e-83:449:93//Hs.153685:AB002320
 F-NT2RM4001666//ESTs//2.1e-11:78:96//Hs.152446:AA555323
 F-NT2RM4001682//EST//0.027:145:70//Hs.133253:AI052638
 F-NT2RM4001710//ESTs//0.098:140:62//Hs.5796:AA767384
 F-NT2RM4001714//Human mRNA for KIAA0202 gene, partial cds//2.2e-86:748:74//Hs.80712:D86957
 30 F-NT2RM4001715//ESTs//1.3e-104:490:99//Hs.127336:AI332905
 F-NT2RM4001731//Human involucrin mRNA//0.23:432:59//Hs.157091:M13903
 F-NT2RM4001741//Human mRNA for KIAA0320 gene, partial cds//6.9e-80:737:73//Hs.150443:AB002318
 F-NT2RM4001746//H.sapiens NF-H gene, exon 1 (and joined CDS)//2.1e-07:418:61//Hs.75735:X15306
 F-NT2RM4001754//ESTs, Weakly similar to RETROVIRUS-RELATED POL POLYPROTEIN [Mus musculus]//2.0e-27:205:83//Hs.110601:AA206719
 35 F-NT2RM4001758//H.sapiens mRNA for serine/threonine protein kinase EMK//2.1e-86:729:75//Hs.157199:X97630
 F-NT2RM4001776//Homo sapiens mRNA for KIAA0727 protein, partial cds//7.4e-175:803:99//Hs.39871:AB018270
 40 F-NT2RM4001783//ESTs, Weakly similar to T12D8.i [C.elegans]//3.1e-71:376:95//Hs.108396:AA160677
 F-NT2RM4001810//Homo sapiens centrosomal Nek2-associated protein 1 (C-NAP1) mRNA, complete cds//0.99:446:58//Hs.27910:AF049105
 F-NT2RM4001813//Homo sapiens clone 24820 mRNA sequence//6.6e-14:249:70//Hs.146312:AF070547
 F-NT2RM4001819//Cell division cycle 2-like 1 (PITSLRE proteins)//1.4e-35:195:95//Hs.963:M37712
 45 F-NT2RM4001823//ESTs, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens]//2.3e-40:252:90//Hs.119294:AI379442
 F-NT2RM4001828//Zinc finger protein 157 (HZF22)//1.8e-75:688:72//Hs.89897:U28687
 F-NT2RM4001836//NUCLEOBINDIN PRECURSOR//0.0022:588:59//Hs.953:M96824
 F-NT2RM4001841//ESTs//0.86:156:67//Hs.146276:AI214204
 50 F-NT2RM4001842//ESTs//0.20:191:62//Hs.107657:AA126814
 F-NT2RM4001856
 F-NT2RM4001858//Human putative cerebral cortex transcriptional regulator T-Brain-1 (Tbr-1) mRNA, complete cds//8.0e-10:244:66//Hs.22138:U49250
 F-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC//2.3e-150:704:98//Hs.61628:Y17711
 55 F-NT2RM4001876//Human mRNA for KIAA0231 gene, partial cds//9.1e-44:621:66//Hs.7938:D86984
 F-NT2RM4001880
 F-NT2RM4001905//ESTs//7.5e-11:137:75//Hs.86950:AI204212

- F-NT2RM4001922//ESTs//2.5e-51:291:93//Hs.26660:AI312633
 F-NT2RM4001930//Homo sapiens mRNA for putative glucosyltransferase, partial cds//0.98:359:57//Hs.155356:AJ224875
 F-NT2RM4001938
 5 F-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds//3.6e-172:808:98//Hs.118631:AF098162
 F-NT2RM4001953//Human mRNA for KIAA0118 gene, partial cds//5.0e-54:362:83//Hs.154326:D42087
 F-NT2RM4001965//ESTs, Weakly similar to KIAA0157 gene product is novel. [H.sapiens]//1.8e-65:337:96//Hs.130135:AA905493
 10 F-NT2RM4001969//ESTs//0.00024:261:63//Hs.157579:AI312862
 F-NT2RM4001979//Homo sapiens mRNA for KIAA0798 protein, complete cds//3.2e-63:527:76//Hs.159277:AB018341
 F-NT2RM4001984//EST//7.1e-05:235:61//Hs.105444:AA508082
 F-NT2RM4001987//Homo sapiens mRNA for KIAA0467 protein, partial cds//0.73:181:65//Hs.11147:AB007936
 15 F-NT2RM4002013//ESTs//0.97:185:63//Hs.103345:AI302271
 F-NT2RM4002018//ESTs//2.5e-76:398:94//Hs.119544:T95601
 F-NT2RM4002034
 F-NT2RM4002044//ESTs//9.6e-83:410:97//Hs.128162:AA815048
 F-NT2RM4002054//EST//8.5e-12:176:71//Hs.137181:R56912
 20 F-NT2RM4002055//Homo sapiens mRNA for KIAA0640 protein, partial cds//3.3e-173:803:98//Hs.153026:AB014540
 F-NT2RM4002062//ESTs, Weakly similar to ASPARTYL-TRNA SYNTHETASE [Thermus aquaticus thermophilus] //7.0e-94:396:94//Hs.59346:AI126802
 F-NT2RM4002063
 25 F-NT2RM4002066//Homo sapiens OPA-containing protein mRNA, complete cds//1.1e-74:889:69//Hs.85313:AF071309
 F-NT2RM4002067//ESTs//2.3e-34:455:69//Hs.118273:AA626040
 F-NT2RM4002073//Insulin-like growth factor binding protein 2//3.2e-10:470:61//Hs.162:X16302
 F-NT2RM4002075//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//2.9e-24:588:61//Hs.122967:AF059569
 30 F-NT2RM4002093//Polypyrimidine tract binding protein (hnRNP I) {alternative products}//9.2e-34:532:65//Hs.146459:X66975
 F-NT2RM4002109//Homo sapiens mitotic centromere-associated kinesin mRNA, complete cds//0.99:408:62//Hs.69360:U63743
 35 F-NT2RM4002128//Homo sapiens mRNA for KIAA0642 protein, partial cds//0.93:202:63//Hs.8152:AB014542
 F-NT2RM4002140//Human p300 protein mRNA, complete cds//0.99:320:59//Hs.25272:U01877
 F-NT2RM4002145//CARBOXYPEPTIDASE N 83 KD CHAIN//2.7e-06:388:59//Hs.73858:J05158
 F-NT2RM4002146//ESTs, Highly similar to similar to mago nashi [H.sapiens]//1.6e-135:646:97//Hs.104650:AI037879
 40 F-NT2RM4002161//Homo sapiens laforin (EPM2A) mRNA, partial cds//1.4e-150:763:95//Hs.22464:AF084535
 F-NT2RM4002174
 F-NT2RM4002189//Mucin 2, intestinal/tracheal//0.087:298:61//Hs.315:L21998
 F-NT2RM4002194//Human semaphorin III family homolog mRNA, complete cds//7.3e-11:454:60//Hs.32981:U38276
 45 F-NT2RM4002205//EST//2.6e-21:270:71//Hs.120013:AA707454
 F-NT2RM4002213//Homo sapiens mRNA for KIAA0610 protein, partial cds//0.52:313:61//Hs.118087:AB011182
 F-NT2RM4002226//ESTs, Highly similar to GTPASE ACTIVATING PROTEIN ROTUND [Drosophila melanogaster] //8.4e-125:588:98//Hs.23900:U82984
 F-NT2RM4002251//ESTs//1.0:77:74//Hs.155135:AA910966
 50 F-NT2RM4002256//ESTs//7.5e-28:358:74//Hs.13356:AI205764
 F-NT2RM4002266//Human kinase Myt1 (Myt1) mRNA, complete cds//0.73:502:57//Hs.77783:AF014118
 F-NT2RM4002278//EST//0.33:138:63//Hs.144096:AI032180
 F-NT2RM4002281
 F-NT2RM4002287//ESTs//0.00037:55:98//Hs.11134:T62979
 55 F-NT2RM4002294//Human mRNA for KIAA0281 gene, complete cds//6.7e-50:511:72//Hs.31463:D87457
 F-NT2RM4002301
 F-NT2RM4002323//ESTs//3.6e-09:105:87//Hs.131737:AI343331
 F-NT2RM4002339

- F-NT2RM4002344//EST//0.16:166:64//Hs.128600:AA906454
 F-NT2RM4002373//Homo sapiens mRNA for KIAA0649 protein, complete cds//9.1e-151:708:98//Hs.26163:AB014549
 F-NT2RM4002374//Homo sapiens mRNA for KIAA0720 protein, partial cds//0.0040:303:63//Hs.23741:AB018263
 5 F-NT2RM4002383//ESTs//8.0e-16:153:78//Hs.155243:N70293
 F-NT2RM4002390
 F-NT2RM4002398
 F-NT2RM4002409
 F-NT2RM4002438//ESTs, Weakly similar to probable CBP3 protein homolog [C.elegans]//1.1e-55:282:96//Hs.26676:AA033997
 10 F-NT2RM4002446//Homo sapiens clone 24574 mRNA sequence//0.59:339:60//Hs.18686:AF052151
 F-NT2RM4002452
 F-NT2RM4002457//Homo sapiens mRNA for epiregulin, complete cds//3.2e-25:228:81//Hs.115263:D30783
 F-NT2RM4002460//EST//1.0:142:65//Hs.145370:AI252780
 15 F-NT2RM4002479//Homo sapiens RNA helicase-related protein mRNA, complete cds//8.9e-165:777:98//Hs.8765:AF083255
 F-NT2RM4002482//Homo sapiens mRNA for KIAA0691 protein, complete cds//7.3e-95:464:97//Hs.94781:AB014591
 F-NT2RM4002493
 20 F-NT2RM4002499//ESTs//1.3e-44:653:67//Hs.23790:N99347
 F-NT2RM4002504//Small inducible cytokine A5 (RANTES)//4.3e-30:225:83//Hs.155464:AF088219
 F-NT2RM4002527//Human pre-B cell enhancing factor (PBEF) mRNA, complete cds//0.99:290:60//Hs.154968:U02020
 F-NT2RM4002532//Human mRNA for KIAA0238 gene, partial cds//1.0:232:61//Hs.82042:D87075
 25 F-NT2RM4002534//Homo sapiens angiotensin/vasopressin receptor AII/AVP mRNA, complete cds//1.0:100:70//Hs.159483:AF054176
 F-NT2RM4002558//Homo sapiens amphiphysin II mRNA, complete cds//0.17:393:61//Hs.6619:U84004
 F-NT2RM4002565//Homo sapiens mRNA for Asparaginyl tRNA Synthetase, complete cds//1.0:226:60//Hs.84043:D84273
 30 F-NT2RM4002567//ESTs, Weakly similar to C17G10.1 [C.elegans]//3.3e-88:484:93//Hs.105837:AA536054
 F-NT2RM4002571//ESTs, Weakly similar to UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase [H.sapiens]//0.059:121:70//Hs.155413:AA429394
 F-NT2RM4002593//ESTs//1.0e-15:103:95//Hs.108920:W28151
 F-NT2RM4002594//Homo sapiens 26S proteasome regulatory subunit (SUG2) mRNA, complete cds//1.0e-06:499:59//Hs.79357:D78275
 35 F-NT2RM4002623//ESTs//1.2e-11:92:92//Hs.164046:T97402
 F-NT2RP1000018//Homo sapiens mRNA for KIAA0687 protein, partial cds//2.0e-102:746:81//Hs.3628:AB014587
 F-NT2RP1000035//Homo sapiens mRNA for NS1-binding protein (NS1-BP)//3.7e-155:747:96//Hs.159597:AJ012449
 40 F-NT2RP1000040//ESTs//1.3e-58:338:92//Hs.17534:H16907
 F-NT2RP1000063//ESTs//0.0013:72:83//Hs.108196:W81647
 F-NT2RP1000086//Human mRNA for KIAA0360 gene, partial cds//5.4e-185:548:91//Hs.79971:X98834
 F-NT2RP1000101//Homo sapiens hook2 protein (HOOK2) mRNA, complete cds//0.33:247:61//Hs.30792:AF044924
 45 F-NT2RP1000111
 F-NT2RP1000112//TTK protein kinase//3.2e-40:324:81//Hs.2052:M86699
 F-NT2RP1000124//ESTs//2.4e-42:268:89//Hs.146078:AI084025
 F-NT2RP1000130//ESTs, Moderately similar to HEPATOMA-DERIVED GROWTH FACTOR [H.sapiens]//1.4e-71:382:94//Hs.127842:W38901
 50 F-NT2RP1000163//Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds//2.1e-06:77:90//Hs.3760:AF011792
 F-NT2RP1000170//EST//0.68:130:63//Hs.146994:AI184430
 F-NT2RP1000174//Homo sapiens clone 24432 mRNA sequence//8.3e-140:679:97//Hs.78019:AF070535
 F-NT2RP1000191//ESTs//1.3e-71:405:93//Hs.24054:N46499
 55 F-NT2RP1000202//H.sapiens mRNA for cytokine inducible nuclear protein//2.0e-05:591:58//Hs.74019:X83703
 F-NT2RP1000243
 F-NT2RP1000259
 F-NT2RP1000272//Homo sapiens TLS-associated protein TASR-2 mRNA, complete cds//5.4e-109:528:97//Hs.

- 4214:AF067730
 F-NT2RP1000324//ESTs//3.4e-98:499:96//Hs.42530:N41661
 F-NT2RP1000326//Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, complete cds//1.3e-148:693:98//Hs.31584:AF053551
 5 F-NT2RP1000333//Homo sapiens monocyte/macrophage Ig-related receptor MIR-10 (MIR cl-10) mRNA, complete cds//0.28:328:60//Hs.22405:AF004231
 F-NT2RP1000348//Human plectin (PLEC1) mRNA, complete cds//0.018:337:62//Hs.79706:U53204
 F-NT2RP1000357
 F-NT2RP1000358//DYNAMIN-1//0.96:273:59//Hs.126:L07807
 10 F-NT2RP1000363//Homo sapiens mRNA for KIAA0638 protein, partial cds//3.2e-126:497:86//Hs.77864:AB014538
 F-NT2RP1000376//Homo sapiens calcium-independent phospholipase A2 mRNA, complete cds//5.9e-178:877:96//Hs.120360:AF064594
 F-NT2RP1000409//ESTs//5.4e-59:415:83//Hs.140578:AA828031
 15 F-NT2RP1000413//Homo sapiens mRNA for KIAA0587 protein, complete cds//3.0e-179:710:98//Hs.21862:AB011159
 F-NT2RP1000416//ESTs, Highly similar to BONE MORPHOGENETIC PROTEIN 1 PRECURSOR [Mus musculus] //7.3e-177:857:97//Hs.6823:W18181
 F-NT2RP1000418//Homo sapiens calcium-activated potassium channel (KCNN3) mRNA, complete cds//0.46:222:60//Hs.89230:AF031815
 20 F-NT2RP1000439//EST//0.98:339:56//Hs.137377:AA101603
 F-NT2RP1000443//Human SLP-76 associated protein mRNA, complete cds//1.0:356:59//Hs.58435:AF001862
 F-NT2RP1000460
 F-NT2RP1000470//Human DNA from chromosome 19-specific cosmid R27090, genomic sequence//3.7e-134:665:96//Hs.143187:AC002985
 25 F-NT2RP1000478//Human beta-tubulin class III isotype (beta-3) mRNA, complete cds//6.2e-57:440:80//Hs.159154:U47634
 F-NT2RP1000481//ESTs//4.8e-21:154:87//Hs.17392:AA535102
 F-NT2RP1000493
 30 F-NT2RP1000513//ESTs//2.2e-71:409:91//Hs.121029:AA480977
 F-NT2RP1000522//Homo sapiens clone DT1P1A11 mRNA, CAG repeat region//0.21:255:62//Hs.98834:U92992
 F-NT2RP1000547//H.sapiens mRNA for transmembrane protein rnp24//1.9e-06:337:63//Hs.75914:X92098
 F-NT2RP1000574//Homo sapiens homeobox protein MEIS2 (MEIS2) mRNA, partial cds//1.4e-82:295:92//Hs.104105:AF017418
 35 F-NT2RP1000577//Human sialoprotein mRNA, complete cds//0.014:235:65//Hs.121552:J05213
 F-NT2RP1000581//VON WILLEBRAND FACTOR PRECURSOR//1.6e-33:223:89//Hs.110802:X04385
 F-NT2RP1000609//Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1 gene//2.2e-49:506:73//Hs.132898:AC004770
 F-NT2RP1000629//Human clathrin assembly protein 50 (AP50) mRNA, complete cds//3.6e-19:556:62//Hs.152936:D63475
 40 F-NT2RP1000630
 F-NT2RP1000677//Human breast tumor autoantigen mRNA, complete sequence//2.4e-05:389:59//Hs.3844:U24576
 F-NT2RP1000688//ESTs, Weakly similar to T06E6.d [C.elegans]//2.5e-43:232:95//Hs.3487:AA425553
 45 F-NT2RP1000695//ESTs, Weakly similar to C27F2.7 gene product [C.elegans]//9.2e-53:312:90//Hs.7049:AI141736
 F-NT2RP1000701//Myogenic factor 3//0.81:186:63//Hs.2834:AF027148
 F-NT2RP1000721//Homo sapiens mRNA for repressor protein, partial cds//4.0e-33:278:78//Hs.58167:D30612
 F-NT2RP1000730//ESTs, Weakly similar to putative p150 [H.sapiens]//6.2e-40:297:84//Hs.18122:AI338045
 50 F-NT2RP1000733//G1 to S phase transition 1//1.4e-31:286:78//Hs.2707:X17644
 F-NT2RP1000738//Homo sapiens Wolf-Hirschhorn syndrome candidate 2 protein (WHSC2) mRNA, complete cds//2.6e-123:604:96//Hs.21771:AF101434
 F-NT2RP1000746
 F-NT2RP1000767
 55 F-NT2RP1000782//Human globin gene//3.6e-21:140:91//Hs.100090:M69023
 F-NT2RP1000796//H.sapiens mRNA for ROX protein//0.17:404:57//Hs.25497:X96401
 F-NT2RP1000825//Human DNA sequence from PAC 127B20 on chromosome 22q11.2-qter, contains gene for GTPase-activating protein similar to rhoGAP protein. ribosomal protein L6 pseudogene, ESTs and CA repeat//

- 2.7e-23:147:91//Hs.102336:Z83838
 F-NT2RP1000833//Homo sapiens cGMP phosphodiesterase A1 (PDE9A) mRNA, complete cds//5.4e-143:424:96//Hs.18953:AF067223
 F-NT2RP1000834//ESTs//0.18:280:60//Hs.157215:AI332903
 5 F-NT2RP1000836//EST//0.60:103:66//Hs.145708:AI267990
 F-NT2RP1000846//EST//1.2e-15:322:65//Hs.149925:AI288838
 F-NT2RP1000851//ESTs//6.1e-96:459:98//Hs.121586:AA423875
 F-NT2RP1000856//Human globin gene//6.7e-22:140:91//Hs.100090:M69023
 F-NT2RP1000860//Homo sapiens KL04P mRNA, complete cds//2.2e-107:551:95//Hs.125156:AF064094
 10 F-NT2RP1000902//EST//1.8e-28:218:85//Hs.145258:AI218683
 F-NT2RP1000915//ESTs//8.8e-11:102:81//Hs.163740:AI248847
 F-NT2RP1000916//ESTs, Weakly similar to coded for by C. elegans cDNA cm04e9 [C.elegans]//2.2e-27:159:94//Hs.122153:AA780270
 F-NT2RP1000943//Human hSIAH2 mRNA, complete cds//0.45:130:68//Hs.20191:U76248
 15 F-NT2RP1000944//EST//0.99:116:63//Hs.116633:AA668400
 F-NT2RP1000947//Human E2 ubiquitin conjugating enzyme Ubch5B (UBCH5B) mRNA, complete cds//2.7e-26:185:87//Hs.108332:U39317
 F-NT2RP1000954//Homo sapiens BACH1 mRNA, complete cds//0.81:329:56//Hs.154276:AB002803
 F-NT2RP1000958//ESTs//1.3e-20:129:92//Hs.163740:AI248847
 20 F-NT2RP1000959//Ribosomal protein, large, P0//0.36:76:73//Hs.73742:M17885
 F-NT2RP1000966//NUCLEOLIN//1.2e-72:353:98//Hs.79110:M60858
 F-NT2RP1000980//ESTs//1.6e-109:555:96//Hs.84429:N28866
 F-NT2RP1000988//Human chromosome 3p21.1 gene sequence//2.6e-73:665:80//Hs.82837:L13435
 F-NT2RP1001011
 25 F-NT2RP1001013//ESTs//3.4e-40:393:74//Hs.120206:AI089163
 F-NT2RP1001014
 F-NT2RP1001033//Tubulin, gamma polypeptide//0.00041:313:59//Hs.150785:M61764
 F-NT2RP1001073//Glucocorticoid receptor//1.0:204:61//Hs.75772:M10901
 F-NT2RP1001079//ESTs//1.0:174:62//Hs.158209:AI360531
 30 F-NT2RP1001080//Homo sapiens forkhead protein (FKHRL1) mRNA, complete cds//0.57:215:64//Hs.14845:AF032886
 F-NT2RP1001113//ESTs, Weakly similar to coded for by C. elegans cDNA CEESB82F [C.elegans]//1.4e-65:293:95//Hs.32751:H38087
 F-NT2RP1001173
 35 F-NT2RP1001177//Homo sapiens histone macroH2A1.2 mRNA, complete cds//6.1e-26:259:74//Hs.75258:AF054174
 F-NT2RP1001185//EST//1.4e-27:266:77//Hs.122245:AA781524
 F-NT2RP1001199//ESTs//0.97:75:73//Hs.131498:AI022150
 F-NT2RP1001247//Human endometrial bleeding associated factor mRNA, complete cds//1.6e-19:120:95//Hs.25195:U81523
 40 F-NT2RP1001248//ESTs//3.0e-21:143:93//Hs.157243:AI337094
 F-NT2RP1001253//PUTATIVE GLUCOSAMINE-6-PHOSPHATE ISOMERASE//1.2e-89:344:93//Hs.3090:AJ002231
 F-NT2RP1001286//H.sapiens mRNA for adenosine triphosphatase, calcium//0.026:392:57//Hs.5541:Y15724
 45 F-NT2RP1001294
 F-NT2RP1001302
 F-NT2RP1001310//Homo sapiens creatine transporter mRNA, complete cds//3.6e-07:379:61//Hs.154503:U36341
 F-NT2RP1001311//ESTs//9.5e-73:403:93//Hs.24739:H67815
 F-NT2RP1001313//Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1 gene//3.1e-87:437:97//Hs.132898:AC004770
 50 F-NT2RP1001361//ESTs, Highly similar to NADH-UBIQUINONE OXIDOREDUCTASE SUBUNIT B14.5B [Bos tau-
 rus]//6.8e-101:480:94//Hs.75017:AA166853
 F-NT2RP1001385//EST//0.86:127:65//Hs.156304:AI336859
 F-NT2RP1001395//Homo sapiens stannin mRNA, complete cds//0.75:355:58//Hs.76691:AF070673
 55 F-NT2RP1001410//Thromboxane A2 receptor//1.0:157:63//Hs.89887:D38081
 F-NT2RP1001424//ESTs//5.3e-20:118:95//Hs.159792:R60700
 F-NT2RP1001432//ESTs//5.3e-20:118:95//Hs.159792:R60700
 F-NT2RP1001449//Homo sapiens clone 24733 mRNA sequence//5.7e-86:422:97//Hs.21970:AF052149

F-NT2RP1001457//H.sapiens DAP-kinase mRNA//0.40:231:61//Hs.153924:X76104
 F-NT2RP1001466
 F-NT2RP1001475//ESTs//1.2e-98:495:97//Hs.14347:AA287742
 F-NT2RP1001482
 5 F-NT2RP1001494
 F-NT2RP1001543//ESTs//1.2e-38:207:98//Hs.131063:AI016400
 F-NT2RP1001546//Homo sapiens mRNA for DAP-1 beta, complete cds//0.00077:254:64//Hs.75814:AB000277
 F-NT2RP1001569
 F-NT2RP1001616//Homo sapiens Tax interaction protein 1 mRNA, partial cds//2.5e-41:496:74//Hs.12956:U90913
 10 F-NT2RP1001665//ESTs//9.4e-58:311:96//Hs.127391:AA954420
 F-NT2RP2000001//Homo sapiens clone 617 unknown mRNA, complete sequence//4.7e-137:685:96//Hs.93677:AF091081
 F-NT2RP2000006//ESTs, Weakly similar to B0035.14 [C.elegans]//8.2e-47:300:89//Hs.6473:AA853955
 F-NT2RP2000007//Human mRNA for KIAA0392 gene, partial cds//1.1e-15:241:68//Hs.40100:AB002390
 15 F-NT2RP2000008//Human mRNA for KIAA0065 gene, partial cds//1.5e-29:526:66//Hs.70617:D31763
 F-NT2RP2000027//ESTs, Highly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//2.0e-26:214:82//Hs.140385:AA773359
 F-NT2RP2000032//ESTs//0.91:368:57//Hs.131209:AI038867
 F-NT2RP2000040//Homo sapiens mRNA for KIAA0747 protein, partial cds//6.1e-78:383:97//Hs.8309:AB018290
 20 F-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds//7.8e-97:467:97//Hs.6216:AF061749
 F-NT2RP2000054//HOMEBOX/POU DOMAIN PROTEIN RDC-1//1.0:110:70//Hs.74095:L20433
 F-NT2RP2000056//Human HPTP epsilon mRNA for protein tyrosine phosphatase epsilon//1.2e-27:146:100//Hs.155991:X54134
 25 F-NT2RP2000067//Human DNA sequence from clone 1052M9 on chromosome Xq25. Contains the SH2D1A gene for SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome) (DSHP), part of a 60S Acidic Ribosomal protein 1 (RPLP1) LIKE gene and part of a mouse DOC4 LIKE gene. Contains ESTs and GSSs//8.1e-41:767:61//Hs.23796:AL022718 F-NT2RP2000070//Homo sapiens chromosome 5, BAC clone 203o13 (LBNL H155), complete sequence//6.5e-08:344:58//Hs.159402:AC005609
 30 F-NT2RP2000076//H.sapiens mRNA for TFIIIA/0.00023:356:62//Hs.121686:D14887
 F-NT2RP2000077//Homo sapiens growth arrest specific 11 (GAS11) mRNA, complete cds//6.8e-79:278:97//Hs.54877:AF050078
 F-NT2RP2000079//ESTs//1.2e-36:202:94//Hs.17606:AI279879
 F-NT2RP2000088//Homo sapiens mRNA for KIAA0795 protein, partial cds//7.1e-160:752:98//Hs.22926:AB018338
 35 F-NT2RP2000091
 F-NT2RP2000097
 F-NT2RP2000098//ESTs//0.086:92:69//Hs.159389:AI371963
 F-NT2RP2000108//Human mRNA for KIAA0392 gene, partial cds//1.4e-18:200:77//Hs.40100:AB002390
 40 F-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds//1.6e-115:551:97//Hs.17706:AB018356
 F-NT2RP2000120//ESTs, Weakly similar to HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III [C.elegans]//0.019:72:81//Hs.5268:W22670
 F-NT2RP2000126//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds//1.4e-120:607:96//Hs.159273:AF054177
 45 F-NT2RP2000133//Neuronal pentraxin II//0.00014:401:61//Hs.3281:U29195
 F-NT2RP2000147//Human clathrin assembly protein 50 (AP50) mRNA, complete cds//2.2e-18:559:60//Hs.152936:D63475
 F-NT2RP2000153//Homo sapiens splicing factor (CC1.3) mRNA, complete cds//0.33:85:70//Hs.256:L10910
 50 F-NT2RP2000157//ESTs//0.53:75:81//Hs.24885:R49291
 F-NT2RP2000161//ESTs//2.6e-06:89:84//Hs.21738:AI188190
 F-NT2RP2000173
 F-NT2RP2000175
 F-NT2RP2000183//Homo sapiens mRNA for dihydropyrimidinase related protein 4, complete cds//0.0018:324:58//Hs.100058:AB006713
 55 F-NT2RP2000195//ESTs, Weakly similar to C37E2.2 [C.elegans]//3.6e-37:233:90//Hs.56750:AI148761
 F-NT2RP2000205//ESTs//5.6e-58:317:93//Hs.49559:AA401050
 F-NT2RP2000208

F-NT2RP2000224//Homo sapiens hLRp105 mRNA for LDL receptor related protein 105, complete cds//0.0071:
 243:61//Hs.143641:AB009462
 F-NT2RP2000232//EST//0.0087:187:62//Hs.151024:Z39990
 F-NT2RP2000233//Homo sapiens Notch3 (NOTCH3) mRNA, complete cds//0.17:342:59//Hs.8546:U97669
 5 F-NT2RP2000239//Human mRNA for KIAA0380 gene, complete cds//1.0:227:60//Hs.47822:AB002378
 F-NT2RP2000248//EST//0.49:117:70//Hs.61016:AA019719
 F-NT2RP2000257//Macrophage stimulating 1 (hepatocyte growth factor-like)//0.51:227:60//Hs.30223:X90846
 F-NT2RP2000258//ESTs//3.1e-48:261:94//Hs.128230:AA972691
 F-NT2RP2000270//ESTs//2.9e-38:357:75//Hs.140329:AA714011
 10 F-NT2RP2000274//ESTs//1.1e-106:508:98//Hs.47646:AA307599
 F-NT2RP2000283//EST//1.0:139:63//Hs.128256:AA972910
 F-NT2RP2000288
 F-NT2RP2000289
 F-NT2RP2000297//Human repressor transcriptional factor (ZNF85) mRNA, complete cds//4.2e-60:744:70//Hs.
 15 37138:U35376
 F-NT2RP2000298//ESTs//6.1e-46:322:85//Hs.159490:AI123467
 F-NT2RP2000310//Human proline dehydrogenase/proline oxidase (PRODH) mRNA, complete cds//4.3e-13:140:
 80//Hs.58218:U82381
 F-NT2RP2000327//ESTs//4.3e-18:108:98//Hs.126212:AI417006
 20 F-NT2RP2000328//ESTs//6.3e-88:437:96//Hs.127336:AI332905
 F-NT2RP2000329//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL//6.6e-41:607:66//Hs.101642:
 X60673
 F-NT2RP2000337//Homo sapiens neurocan (CSPG3) mRNA, complete cds//0.96:126:69//Hs.153706:AF026547
 F-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds//1.2e-130:627:
 97//Hs.76556:U83981
 25 F-NT2RP2000369//Homo sapiens mRNA for KIAA0630 protein, partial cds//0.56:464:57//Hs.12259:AB014530
 F-NT2RP2000412//ESTs//1.0:214:60//Hs.91226:AA649047
 F-NT2RP2000414//Homo sapiens HnRNP F protein mRNA, complete cds//1.6e-67:375:93//Hs.808:L28010
 F-NT2RP2000420//ESTs, Moderately similar to zinc finger protein [H.sapiens]//3.9e-75:413:92//Hs.36779:
 30 AA626790
 F-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds//6.7e-128:609:
 96//Hs.5819:AF102265
 F-NT2RP2000438//ESTs//1.3e-05:50:98//Hs.156532:AA913381
 F-NT2RP2000448//EST//1.1e-24:136:98//Hs.160402:AI393918
 35 F-NT2RP2000459//H.sapiens mRNA for imogen 38//1.9e-22:158:87//Hs.154655:Z68747
 F-NT2RP2000498//ESTs//1.0e-17:181:79//Hs.155243:N70293
 F-NT2RP2000503//ESTs//4.5e-41:205:100//Hs.62751:AA765702
 F-NT2RP2000510
 F-NT2RP2000516
 40 F-NT2RP2000523//ESTs, Highly similar to APOLIPOPROTEIN B MRNA EDITING PROTEIN [Rattus norvegicus]
 //3.2e-15:167:75//Hs.10984:AA806768
 F-NT2RP2000603//Homo sapiens mRNA for KIAA0572 protein, partial cds//5.6e-38:196:98//Hs.14409:AB011144
 F-NT2RP2000617//Myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)//1.0:
 242:57//Hs.114001:Z20656
 45 F-NT2RP2000634//Homo sapiens mRNA for KIAA0614 protein, partial cds//4.2e-151:732:97//Hs.7314:AB014514
 F-NT2RP2000644//ESTs//0.035:276:60//Hs.43660:N33174
 F-NT2RP2000656
 F-NT2RP2000658//ESTs//0.032:281:59//Hs.124853:AA420602
 F-NT2RP2000668
 50 F-NT2RP2000678//ESTs//2.9e-16:310:65//Hs.126867:AI093453
 F-NT2RP2000704//ESTs, Highly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE C41C4.4 IN
 CHROMOSOME II PRECURSOR [Caenorhabditis elegans]//2.4e-31:233:78//Hs.114905:AA088442
 F-NT2RP2000710
 F-NT2RP2000715
 55 F-NT2RP2000731
 F-NT2RP2000758//EST//1.0e-14:199:71//Hs.162409:AA573242
 F-NT2RP2000764//ESTs, Weakly similar to NIFS-LIKE 54.5 KD PROTEIN [Saccharomyces cerevisiae]//1.6e-74:
 445:89//Hs.21421:AA911739

- F-NT2RP2000809//ESTs//1.2e-36:235:89//Hs.154580:N34101
 F-NT2RP2000812//Homo sapiens pendrin (PDS) mRNA, complete cds//0.22:351:58//Hs.159275:AF030880
 F-NT2RP2000814
 5 F-NT2RP2000816//Homo sapiens mRNA for KIAA0610 protein, partial cds//1.0:311:61//Hs.118087:AB011182
 F-NT2RP2000819
 F-NT2RP2000841//Human mRNA for KIAA0294 gene, complete cds//3.4e-28:390:70//Hs.20695:AB002292
 F-NT2RP2000842//Human lysophosphatidic acid receptor homolog mRNA, complete cds//9.5e-29:167:94//Hs.75794:U80811
 F-NT2RP2000845//ESTs//1.0e-83:403:98//Hs.156828:AI336850
 10 F-NT2RP2000863//ESTs, Highly similar to HYPOTHETICAL 36.7 KD PROTEIN C2F7.02C IN CHROMOSOME I [Schizosaccharomyces pombe]//6.4e-34:207:92//Hs.135235:AI081880
 F-NT2RP2000880//Homo sapiens mRNA for KIAA0741 protein, complete cds//7.7e-142:732:94//Hs.3615:AB018284
 F-NT2RP2000892//ESTs, Weakly similar to mitogen-activated kinase kinase kinase 5 [H.sapiens]//0.50:189:65//Hs.46146:AA418097
 15 F-NT2RP2000931//MATRIN3//1.1e-130:610:98//Hs.78825:AB018266
 F-NT2RP2000932//Homo sapiens BAC clone GS166A23 from 7p21//5.5e-66:326:97//Hs.15144:AC005014
 F-NT2RP2000938//ESTs//1.8e-28:296:75//Hs.22822:H06408
 F-NT2RP2000943//Homo sapiens mRNA for KIAA0755 protein, complete cds//1.9e-113:533:98//Hs.19822:AB018298
 20 F-NT2RP2000965//ESTs//5.3e-59:328:94//Hs.35575:R96494
 F-NT2RP2000970
 F-NT2RP2000985//ESTs, Weakly similar to HYPOTHETICAL 96.8 KD PROTEIN IN SIS2-MTD1 INTERGENIC REGION [Saccharomyces cerevisiae]//7.3e-76:385:96//Hs.21875:AA243700
 25 F-NT2RP2000987//ESTs//5.6e-11:177:72//Hs.15776:T91944
 F-NT2RP2001036//ESTs//2.0e-55:352:88//Hs.122131:AA789292
 F-NT2RP2001044//EST//0.069:267:60//Hs.102808:N67117
 F-NT2RP2001056//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//1.0e-145:696:97//Hs.67619:AB007957
 30 F-NT2RP2001065
 F-NT2RP2001070//Human mRNA for KIAA0315 gene, partial cds//1.0:310:60//Hs.3989:AB002313
 F-NT2RP2001081
 F-NT2RP2001094//ESTs//0.0071:262:64//Hs.128115:AI356560
 F-NT2RP2001119//Small inducible cytokine A5 (RANTES)//2.2e-34:311:78//Hs.155464:AF088219
 35 F-NT2RP2001127//Human mRNA for KIAA0234 gene, complete cds//3.5e-33:519:63//Hs.80358:U52191
 F-NT2RP2001137//ESTs, Highly similar to RAB GDP DISSOCIATION INHIBITOR ALPHA [Bos taurus]//6.4e-34:201:91//Hs.118470:AI336362
 F-NT2RP2001149//EST//3.9e-27:244:78//Hs.162236:AA551582
 F-NT2RP2001168//ESTs//0.0023:216:62//Hs.134938:AI091361
 40 F-NT2RP2001173//Homo sapiens mRNA for KIAA0480 protein, complete cds//7.4e-114:567:96//Hs.26247:AB007949
 F-NT2RP2001174//H.sapiens ZNF81 gene//0.21:256:59//Hs.104020:X68011
 F-NT2RP2001196
 F-NT2RP2001218//ESTs//1.1e-65:337:96//Hs.115710:AA524598
 45 F-NT2RP2001226//Guanylate cyclase 1, soluble, alpha 2//0.030:395:59//Hs.2685:Z50053
 F-NT2RP2001233//Zinc finger protein 136 (clone pHZ-20)//4.4e-58:656:70//Hs.69740:U09367
 F-NT2RP2001245//EST//0.018:228:62//Hs.116798:AA633813
 F-NT2RP2001268//Homo sapiens mRNA for KIAA0810 protein, partial cds//8.1e-108:514:97//Hs.7531:AB018353
 F-NT2RP2001277//EST//0.42:127:66//Hs.42834:N20277
 50 F-NT2RP2001290//Homo sapiens alpha SNAP mRNA, complete cds//1.8e-62:527:76//Hs.75848:U39412
 F-NT2RP2001295//ESTs//3.4e-29:90:100//Hs.123321:AA810287
 F-NT2RP2001312//ESTs//1.0:121:61//Hs.160261:AI146387
 F-NT2RP2001327//Human B12 protein mRNA, complete cds//1.9e-30:359:71//Hs.76090:M80783
 F-NT2RP2001328//ESTs//5.2e-103:532:94//Hs.69476:AA628522
 55 F-NT2RP2001347//ESTs//4.3e-28:217:82//Hs.31775:H41883
 F-NT2RP2001366//ESTs, Weakly similar to ZK1058.5 [C.elegans]//1.8e-72:418:91//Hs.107039:W27244
 F-NT2RP2001378
 F-NT2RP2001381//ESTs//0.59:235:62//Hs.118569:AI377558

EP 1 074 617 A2

F-NT2RP2001392//Homo sapiens chromosome 5, BAC clone 203o13 (LBNL H155), complete sequence//0.28:225:62//Hs.159402:AC005609
F-NT2RP2001394//ESTs//8.3e-22:133:78//Hs.109655:AI189767
F-NT2RP2001397//ESTs//0.090:265:60//Hs.152775:AA633088
5 F-NT2RP2001420
F-NT2RP2001423//ESTs, Weakly similar to hypothetical protein [H.sapiens]//0.030:443:59//Hs.140506:AA308018
F-NT2RP2001427//EST//1.9e-19:174:79//Hs.132635:AI032875
F-NT2RP2001436//EST//0.16:132:66//Hs.128265:AA972966
F-NT2RP2001440//Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide//
10 9.8e-56:603:72//Hs.75544:Z82248
F-NT2RP2001445//ESTs//2.2e-26:193:86//Hs.128610:AA504218
F-NT2RP2001449
F-NT2RP2001450
F-NT2RP2001467
15 F-NT2RP2001506
F-NT2RP2001511//ESTs, Weakly similar to F48F7.1 [C.elegans]//3.2e-83:409:98//Hs.156161:AI333779
F-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1//6.4e-138:657:97//Hs.4277:Y14494
F-NT2RP2001526//EST//1.0:180:61//Hs.136311:AA437134
20 F-NT2RP2001536//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds//5.2e-105:384:94//Hs.99742:AF035586
F-NT2RP2001560
F-NT2RP2001569//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//1.4e-124:590:98//Hs.67619:AB007957
25 F-NT2RP2001576//Erythrocyte membrane protein band 4.9 (dematin)//0.046:521:60//Hs.75936:U28389
F-NT2RP2001581//EST//1.0:28:96//Hs.148002:AI264876
F-NT2RP2001597//Casein kinase 2, alpha prime polypeptide//0.069:165:65//Hs.82201:M55268
F-NT2RP2001601//Homo sapiens mRNA for KIAA0797 protein, partial cds//2.3e-138:647:98//Hs.27197:AB018340
30 F-NT2RP2001613
F-NT2RP2001628//ESTs//4.9e-45:238:96//Hs.135222:AI082229
F-NT2RP2001634//Homo sapiens alpha-catenin related protein (ACRP) mRNA, complete cds//4.9e-124:604:96//Hs.58488:U97067
F-NT2RP2001660//Homo sapiens putative 13 S Golgi transport complex 90kD subunit brain-specific isoform mRNA, complete cds//1.3e-145:687:97//Hs.159558:AF058718
35 F-NT2RP2001663//Enolase 1, (alpha)//4.2e-38:372:74//Hs.675:M14328
F-NT2RP2001675//X-LINKED HELICASE II//0.040:454:58//Hs.96264:U72936
F-NT2RP2001677//Homo sapiens mRNA for KIAA0771 protein, partial cds//0.028:285:63//Hs.6162:AB018314
F-NT2RP2001678//Homo sapiens semaphorin F homolog mRNA, complete cds//1.7e-34:328:76//Hs.27621:U52840
40 F-NT2RP2001699//EST//0.029:94:68//Hs.125936:AA889091
F-NT2RP2001720//ESTs, Highly similar to Rap2 interacting protein 8 [M.musculus]//1.0:173:62//Hs.107361:AI197870
F-NT2RP2001721
45 F-NT2RP2001740//Homo sapiens Rigui (RIGUI) mRNA, complete cds//0.58:403:57//Hs.8114:AF022991
F-NT2RP2001748//Farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase)//1.2e-19:151:86//Hs.77393:D14697
F-NT2RP2001762//Homo sapiens exonuclease 1a (EXO1a) mRNA, complete_cds//5.2e-34:191:96//Hs.47504:AF091754
50 F-NT2RP2001813//EST//0.46:183:57//Hs.144096:AI032180
F-NT2RP2001839//EST//2.5e-12:86:94//Hs.133226:AI052250
F-NT2RP2001861//Homo sapiens mRNA for paraplegin//0.068:146:71//Hs.78497:Y16610
F-NT2RP2001869//Homo sapiens ZNF202 alpha (ZNF202) mRNA, complete cds//0.0013:174:62//Hs.9443:AF027219
55 F-NT2RP2001876//Allograft inflammatory factor 1//2.2e-08:162:67//Hs.76364:Y14768
F-NT2RP2001883
F-NT2RP2001898//75 KD INOSITOL-1,4,5-TRISPHOSPHATE 5-PHOSPHATASE PRECURSOR//3.0e-113:633:90//Hs.142189:M74161

EP 1 074 617 A2

F-NT2RP2001900//EST//1.9e-14:132:84//Hs.130049:AA902650
 F-NT2RP2001907//ESTs, Weakly similar to ankyrin 3, long form [H.sapiens]/0.37:263:62//Hs.106377:H29757
 F-NT2RP2001926//ESTs//1.1e-87:430:97//Hs.133487:AI393754
 F-NT2RP2001936
 5 F-NT2RP2001943
 F-NT2RP2001946//ESTs//1.0:110:69//Hs.7941:AA894797
 F-NT2RP2001947
 F-NT2RP2001969//ESTs//3.3e-93:433:93//Hs.9622:W44489
 F-NT2RP2001976//Homo sapiens KIAA0432 mRNA, complete cds//0.20:238:63//Hs.155174:AB007892
 10 F-NT2RP2001985//Homo sapiens mRNA for KIAA0545 protein, partial cds//7.4e-05:235:62//Hs.129943:
 AB011117
 F-NT2RP2001991//EST//0.0027:163:68//Hs.162458:AA579196
 F-NT2RP2002025//Homo sapiens mRNA for KIAA0756 protein, partial cds//3.2e-62:314:97//Hs.116604:
 AB018299
 15 F-NT2RP2002032
 F-NT2RP2002033//EST//1.2e-16:224:74//Hs.150409:AI003543
 F-NT2RP2002041//EST//0.022:139:69//Hs.127219:AA939336
 F-NT2RP2002046//ESTs//1.1e-35:218:92//Hs.130678:R51509
 F-NT2RP2002047//ESTs//0.43:131:64//Hs.153939:AI284198
 20 F-NT2RP2002058//Homo sapiens mRNA for KIAA0741 protein, complete cds//0.96:137:71//Hs.3615:AB018284
 F-NT2RP2002066//Homo sapiens transmembrane receptor UNC5C (UNC5C) mRNA, complete cds//3.1e-36:509:
 66//Hs.44553:AF055634
 F-NT2RP2002070//ESTs//0.00027:107:72//Hs.4852:R84241
 F-NT2RP2002076//Homo sapiens clone 24804 mRNA sequence//3.4e-129:643:96//Hs.11039:AF052183
 25 F-NT2RP2002078//EST//1.0:83:65//Hs.115996:AA609014
 F-NT2RP2002079//ESTs//6.2e-06:326:60//Hs.134202:AI313156
 F-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein//3.2e-112:533:97//Hs.155218:
 AJ007509
 F-NT2RP2002105//Homo sapiens serine threonine kinase 11 (STK11) mRNA, complete cds//6.1e-07:408:60//Hs.
 30 122755:AF032986
 F-NT2RP2002124//ESTs//1.3e-90:459:96//Hs.142053:AA224286
 F-NT2RP2002137//ATPase, Ca++ transporting, plasma membrane 4//0.0032:319:59//Hs.995:M83363
 F-NT2RP2002154//Homo sapiens mRNA for C17orf1 protein//1.0:149:65//Hs.100217:AJ008112
 F-NT2RP2002172//EST//4.4e-14:276:67//Hs.148392:AI085314
 35 F-NT2RP2002185//ESTs, Weakly similar to ubiquitin S6(1) [D.melanogaster]//6.8e-61:354:91//Hs.109966:
 C06057
 F-NT2RP2002192//Human 75-kD autoantigen (PM-Sc1) mRNA, complete cds//3.7e-37:194:97//Hs.91728:
 M58460
 F-NT2RP2002193//Homo sapiens protein inhibitor of activated STAT protein PIASx-alpha mRNA, complete cds//
 40 6.8e-15:228:67//Hs.111323:AF077954
 F-NT2RP2002208
 F-NT2RP2002219//ESTs//0.0059:247:61//Hs.36495:AA151628
 F-NT2RP2002231//ESTs//0.29:167:63//Hs.112013:AI394318
 F-NT2RP2002235//H.sapiens mRNA for PHAPI2b protein//0.86:67:82//Hs.84264:U70439
 45 F-NT2RP2002252//Homo sapiens mRNA for KIAA0527 protein, partial cds//0.79:264:59//Hs.129748:AB011099
 F-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds//2.1e-51:315:89//Hs.150595:
 AF005418
 F-NT2RP2002259//Human L-myc protein gene, complete cds//1.2e-26:343:71//Hs.92137:M19720
 F-NT2RP2002270//ESTs, Weakly similar to AF-9 PROTEIN [H.sapiens]/1.3e-31:206:88//Hs.4029:Z78373
 50 F-NT2RP2002292//ESTs//1.3e-07:153:67//Hs.13533:H23079
 F-NT2RP2002312//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds//5.0e-95:467:96//Hs.
 24812:AF069532
 F-NT2RP2002316//ESTs//0.95:194:63//Hs.157214:AA805445
 F-NT2RP2002325//Homo sapiens peroxisomal biogenesis factor (PEX11a) mRNA, complete cds//1.3e-124:640:
 55 95//Hs.31034:AB015594
 F-NT2RP2002333//Protein-tyrosine kinase tyk2 (non-receptor)//1.0:257:60//Hs.75516:X54637
 F-NT2RP2002373
 F-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds//3.1e-139:673:

97//Hs.109051:AF038958
 F-NT2RP2002394//Human clone 23695 mRNA sequence//0.16:456:59//Hs.90798:U79289
 F-NT2RP2002408//HOMEBOX/POU DOMAIN PROTEIN RDC-1//0.00069:265:65//Hs.74095:L20433
 F-NT2RP2002426//EST//4.3e-33:271:79//Hs.145743:AI269098
 5 F-NT2RP2002439//ESTs//0.0041:129:68//Hs.146064:AA714326
 F-NT2RP2002442//ESTs, Weakly similar to similar to molybdopterin biosynthesis MOEB proteins [C.elegans]//5.6e-26:169:89//Hs.25198:AA904265
 F-NT2RP2002457//ESTs//0.00031:121:71//Hs.134860:AI091436
 F-NT2RP2002464//Human mRNA for KIAA0086 gene, complete cds//0.0013:207:63//Hs.1560:D42045
 10 F-NT2RP2002475//ESTs//1.0:85:75//Hs.155371:AI139929
 F-NT2RP2002479//Homo sapiens mRNA for ABC transporter 7 protein, complete cds//7.6e-125:607:96//Hs.125856:AB005289
 F-NT2RP2002498
 F-NT2RP2002503//Human zinc finger protein (FDZF2) mRNA, complete cds//2.2e-89:314:87//Hs.102681:U95044
 15 F-NT2RP2002504//Homo sapiens mRNA for KIAA0791 protein, complete cds//3.8e-159:761:97//Hs.23255:AB018334
 F-NT2RP2002520//RAB6, member RAS oncogene family//0.99:216:59//Hs.107563:M28212
 F-NT2RP2002537
 F-NT2RP2002546//EST//0.81:161:65//Hs.120562:AA741096
 20 F-NT2RP2002549//ESTs//0.76:228:61//Hs.146313:AA594979
 F-NT2RP2002591//Homo sapiens mRNA for KIAA0798 protein, complete cds//2.9e-33:285:78//Hs.159277:AB018341
 F-NT2RP2002595//Adenylate cyclase 8 (brain)//0.39:377:59//Hs.2522:Z35309
 F-NT2RP2002606//Human Line-1 repeat mRNA with 2 open reading frames//6.4e-24:144:95//Hs.23094:M19503
 25 F-NT2RP2002609//Human guanine nucleotide regulatory protein (tim1) mRNA, complete cds//1.0:120:68//Hs.334:U02082
 F-NT2RP2002618//H.sapiens mRNA for arginine methyltransferase, splice variant, 1262 bp//4.3e-28:460:63//Hs.20521:Y10805
 F-NT2RP2002621
 30 F-NT2RP2002643//Human p300/CBP-associated factor (P/CAF) mRNA, complete cds//0.0022:210:64//Hs.155302:U57317
 F-NT2RP2002672//ESTs//7.4e-30:226:84//Hs.94694:W52493
 F-NT2RP2002701//ESTs, Highly similar to HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III [Caenorhabditis elegans]//8.3e-56:278:97//Hs.109857:AA088385
 35 F-NT2RP2002706//CEREBELLIN 1 PRECURSOR//0.00042:367:61//Hs.662:M58583
 F-NT2RP2002710//Homo sapiens mRNA for KIAA0672 protein, complete cds//8.0e-42:631:65//Hs.6336:AB014572
 F-NT2RP2002727
 F-NT2RP2002736//ESTs//3.2e-67:336:97//Hs.86583:AA761217
 40 F-NT2RP2002740//EST//1.0e-70:352:97//Hs.145168:AI150297
 F-NT2RP2002741//Human mRNA for Neuroblastoma, complete cds//2.4e-30:628:62//Hs.87435:D89016
 F-NT2RP2002750//Human mRNA for KIAA0331 gene, complete cds//2.1e-29:285:75//Hs.146395:AB002329
 F-NT2RP2002752//EST//2.2e-06:126:74//Hs.159913:AA862709
 F-NT2RP2002753//ESTs//4.3e-14:137:81//Hs.133478:T79705
 45 F-NT2RP2002769//Human plectin (PLEC1) mRNA, complete cds//0.017:507:57//Hs.79706:U53204
 F-NT2RP2002778//EST//1.6e-57:319:93//Hs.147519:AI216407
 F-NT2RP2002800
 F-NT2RP2002839//ESTs//0.075:177:62//Hs.132445:AA921763
 F-NT2RP2002857//ESTs//0.99:88:69//Hs.132104:AI382142
 50 F-NT2RP2002862
 F-NT2RP2002880
 F-NT2RP2002891//Homo sapiens mRNA for KIAA0673 protein, partial cds//1.0:237:62//Hs.106487:AB014573
 F-NT2RP2002925//ESTs//1.6e-33:318:77//Hs.16808:W22606
 F-NT2RP2002928//Homo sapiens pre-mRNA splicing factor (PRP17) mRNA, complete cds//3.9e-136:623:99//Hs.116674:AF038392
 55 F-NT2RP2002929//Homo sapiens ataxin-7 (SCA7) mRNA, complete cds//0.24:158:65//Hs.108447:AJ000517
 F-NT2RP2002939
 F-NT2RP2002954

EP 1 074 617 A2

F-NT2RP2002959//Human E2 ubiquitin conjugating enzyme Ubch5B (UBCH5B) mRNA, complete cds//6.4e-21:
135:91//Hs.108332:U39317
F-NT2RP2002979
F-NT2RP2002980
5 F-NT2RP2002986//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//7.8e-11:272:61//Hs.
122967:AF059569
F-NT2RP2002987//ESTs//8.2e-20:99:82//Hs.138965:AI004740
F-NT2RP2002993
F-NT2RP2003000//Small inducible cytokine A5 (RANTES)//2.1e-46:353:81//Hs.155464:AF088219
10 F-NT2RP2003034//ESTs//1.6e-08:263:66//Hs.164048:AA811741
F-NT2RP2003073//Human clone 230971 defective mariner transposon Hsmar2 mRNA sequence//4.6e-43:381:
78//Hs.159176:U92019
F-NT2RP2003099//TRICHOHYALIN//0.98:183:62//Hs.82276:L09190
F-NT2RP2003108//H.sapiens nek2 mRNA for protein kinase//0.025:185:67//Hs.153704:U11050
15 F-NT2RP2003117//ESTs//7.6e-30:219:88//Hs.153408:AA416633
F-NT2RP2003121//ESTs//1.9e-13:158:73//Hs.129998:AI291379
F-NT2RP2003125//Serum response factor (c-fos serum response element-binding transcription factor)//4.5e-06:
556:57//Hs.155321:J03161
F-NT2RP2003129//ESTs//0.095:218:63//Hs.70836:AA121544
20 F-NT2RP2003137
F-NT2RP2003157//Homo sapiens mRNA for KIAA0620 protein, partial cds//0.40:227:61//Hs.105958:AB014520
F-NT2RP2003158//Homo sapiens mRNA for proteasome subunit p58, complete cds//5.7e-113:581:93//Hs.9736:
D67025
F-NT2RP2003161//ESTs//0.0095:120:65//Hs.163532:AI424170
25 F-NT2RP2003164//EST//0.11:179:63//Hs.163299:AA853944
F-NT2RP2003165//Human mRNA for KIAA0355 gene, complete cds//1.0e-39:342:79//Hs.153014:AB002353
F-NT2RP2003177//ESTs//3.6e-80:414:96//Hs.4767:N91123
F-NT2RP2003194//ESTs//5.4e-20:119:95//Hs.149531:AI393223
F-NT2RP2003206//EST//0.095:182:60//Hs.88461:AA278594
30 F-NT2RP2003228//CDC21 HOMOLOG//9.3e-138:726:93//Hs.154443:X74794
F-NT2RP2003230//ESTs//3.0e-10:239:62//Hs.163720:AA526947
F-NT2RP2003237//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, com-
plete cds//1.3e-62:543:77//Hs.108966:U48696
F-NT2RP2003243//Homo sapiens proline and glutamic acid rich nuclear protein isoform mRNA, partial cds//0.52:
35 200:62//Hs.102732:U88153
F-NT2RP2003265
F-NT2RP2003272//ESTs, Weakly similar to ubiquitin S6(1) [D.melanogaster]//5.8e-57:313:93//Hs.109966:
C06057
F-NT2RP2003277//Homo sapiens mRNA for KIAA0625 protein, partial cds//4.9e-147:714:96//Hs.154919:
40 AB014525
F-NT2RP2003280
F-NT2RP2003286//Homo sapiens mRNA for KIAA0587 protein, complete cds//0.0097:243:65//Hs.21862:
AB011159
F-NT2RP2003293//ESTs//5.5e-28:418:70//Hs.146227:AI269334
45 F-NT2RP2003295//Homo sapiens RMP mRNA for RPB5 meidating protein, complete cds//2.0e-86:416:97//Hs.
7943:AB006572
F-NT2RP2003297//EST//0.99:240:60//Hs.133228:AI052312
F-NT2RP2003307//ESTs//5.6e-15:137:81//Hs.90020:AA442752
F-NT2RP2003308
50 F-NT2RP2003329//ESTs, Highly similar to HYPOTHETICAL 54.9 KD PROTEIN C02F5.7 IN CHROMOSOME III
[Caenorhabditis elegans]//1.8e-102:532:95//Hs.6092:T75227
F-NT2RP2003339//ESTs//0.13:166:63//Hs.149649:AI346765
F-NT2RP2003347//ESTs//0.96:185:59//Hs.125003:H85963
F-NT2RP2003367//Human HsLIM15 mRNA for HsLim15, complete cds//0.99:243:60//Hs.37181:D64108
55 F-NT2RP2003391
F-NT2RP2003393
F-NT2RP2003394//Homo sapiens Ran-GTP binding protein mRNA, partial cds//0.86:416:57//Hs.4976:AF039023
F-NT2RP2003401

- F-NT2RP2003433//ESTs, Highly similar to PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT [Canis familiaris]/3.7e-33:303:77//Hs.14038:R06800
 F-NT2RP2003445//EST//1.7e-06:154:65//Hs.142843:R36893
 F-NT2RP2003446//Prostaglandin receptor, ep1 subtype//0.81:273:61//Hs.159360:L22647
 5 F-NT2RP2003456//EST//0.17:95:65//Hs.147190:AI193320
 F-NT2RP2003466//Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1 gene//4.3e-53:339:78//Hs.132874:AC004770
 F-NT2RP2003480//Calpain, small polypeptide//1.1e-06:154:66//Hs.74451:X04106
 F-NT2RP2003499//Homo sapiens delta-catenin mRNA, complete cds//3.1e-10:481:60//Hs.80220:U96136
 10 F-NT2RP2003506
 F-NT2RP2003511//Spectrin, beta, non-erythrocytic 1//0.76:189:62//Hs.107164:M96803
 F-NT2RP2003513//Human mRNA for KIAA0270 gene, partial cds//8.3e-78:403:94//Hs.78482:Y16270
 F-NT2RP2003517//Platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)//1.3e-24:151:95//Hs.1976:M12783
 15 F-NT2RP2003522//Zinc finger protein 148 (pHZ-52)//1.1e-17:512:60//Hs.112180:AF039019
 F-NT2RP2003533//ESTs//1.8e-76:373:98//Hs.140402:AI138765
 F-NT2RP2003543//ESTs//9.3e-65:363:92//Hs.70643:AA030010
 F-NT2RP2003559//ESTs//0.00037:93:77//Hs.157564:AI356513
 F-NT2RP2003564//Sjogren syndrome antigen A1 (52kD, ribonucleoprotein autoantigen SS-A/Ro)//2.9e-28:664:
 20 63//Hs.1042:M62800
 F-NT2RP2003567//Homo sapiens mRNA for KIAA0462 protein, partial cds//1.3e-114:541:98//Hs.129937:AB007931
 F-NT2RP2003581//EST//1.0:59:76//Hs.158575:AI368947
 F-NT2RP2003596//ESTs, Weakly similar to No definition line found [C.elegans]/1.3e-63:224:95//Hs.34627:
 25 AA126463
 F-NT2RP2003604//Homo sapiens alpha-catenin related protein (ACRP) mRNA, complete cds//1.7e-124:585:98//Hs.58488:U97067
 F-NT2RP2003629//ESTs//2.0e-103:535:95//Hs.105633:AA479166
 F-NT2RP2003643//Kallmann syndrome 1 sequence//0.85:216:61//Hs.89591:M97252
 30 F-NT2RP2003668//Homo sapiens haemopoietic progenitor homeobox HPX42B (HPX42B) mRNA, complete cds//9.4e-47:371:80//Hs.125231:AF068006
 F-NT2RP2003687//EST//2.9e-14:134:80//Hs.132635:AI032875
 F-NT2RP2003691//ESTs//8.2e-47:296:83//Hs.138852:AA284247
 F-NT2RP2003702//DNA POLYMERASE EPSILON, CATALYTIC SUBUNIT A//0.85:190:61//Hs.18366:L09561
 35 F-NT2RP2003704//ESTs, Weakly similar to putative p150 [H.sapiens]/5.1e-44:269:91//Hs.139757:N95271
 F-NT2RP2003706//Homo sapiens mRNA for KIAA0525 protein, partial cds//8.3e-110:518:98//Hs.78494:AB011097
 F-NT2RP2003713
 F-NT2RP2003714//Homo sapiens hematopoietic cell derived zinc finger protein mRNA, complete cds//2.7e-56:
 40 252:83//Hs.86371:AF054180
 F-NT2RP2003727//EST//0.52:277:59//Hs.69507:AA111879
 F-NT2RP2003737//Human E2 ubiquitin conjugating enzyme UbCH5C (UBCH5C) mRNA, complete cds//4.0e-55:
 584:71//Hs.118797:U39318
 F-NT2RP2003751
 45 F-NT2RP2003760
 F-NT2RP2003764
 F-NT2RP2003769
 F-NT2RP2003770//RETINOBLASTOMA BINDING PROTEIN 3//0.58:247:59//Hs.96055:U47677
 F-NT2RP2003777
 50 F-NT2RP2003781//ESTs, Weakly similar to C47D12.3 [C.elegans]/3.7e-63:356:92//Hs.16131:AA568689
 F-NT2RP2003793//ESTs//4.8e-68:392:92//Hs.93949:AA782955
 F-NT2RP2003825//ESTs//7.6e-79:232:98//Hs.14347:AA287742
 F-NT2RP2003840//DNAJ PROTEIN HOMOLOG HSJ1//0.95:300:59//Hs.77768:X63368
 F-NT2RP2003857//EST//1.0:112:62//Hs.139216:AA244425
 55 F-NT2RP2003859
 F-NT2RP2003871//ESTs//2.5e-44:222:99//Hs.146295:AA935780
 F-NT2RP2003885
 F-NT2RP2003912//ESTs, Weakly similar to G2-SPECIFIC PROTEIN KINASE NIMA [Emericella nidulans]/2.2e-

- 113:632:92//Hs.50072:AI378221
 F-NT2RP2003952//ESTs, Moderately similar to 60S RIBOSOMAL PROTEIN L32 [H.sapiens]//1.0:146:67//Hs.156920:AA489296
- 5 F-NT2RP2003968//Homo sapiens hUBP mRNA for ubiquitin specific protease, complete cds//6.8e-30:165:96//Hs.35086:AB014458
 F-NT2RP2003976//Homo sapiens mRNA for KIAA0447 protein, complete cds//7.9e-116:610:94//Hs.7302:AB007916
 F-NT2RP2003981//Homo sapiens mRNA for KIAA0804 protein, partial cds//3.2e-161:783:96//Hs.7316:AB018347
 F-NT2RP2003984
- 10 F-NT2RP2003986//ESTs//1.3e-39:296:83//Hs.152482:AI050036
 F-NT2RP2003988//Thiopurine S-methyltransferase//7.1e-44:532:70//Hs.51124:AF019369
 F-NT2RP2004013//ESTs, Highly similar to TRANSCRIPTION FACTOR BTF3 [Homo sapiens]//7.0e-104:556:93//Hs.111081:AI380378
 F-NT2RP2004014
- 15 F-NT2RP2004041//Homo sapiens chromosome 19, cosmid F17127//6.0e-11:120:80//Hs.10116:AC004780
 F-NT2RP2004042
 F-NT2RP2004066//Homo sapiens zinc finger protein (ZnF20) mRNA, complete cds//0.80:292:61//Hs.1147:AF011573
 F-NT2RP2004081//ESTs//5.7e-87:427:96//Hs.102296:AI217942
- 20 F-NT2RP2004098//Homo sapiens leucine-rich repeat protein SHOC-2 (SHOC-2) mRNA, complete cds//0.15:199:60//Hs.104315:AF054828
 F-NT2RP2004124//Homo sapiens mRNA for ephrin-A2//0.98:233:59//Hs.158306:AJ007292
 F-NT2RP2004142
 F-NT2RP2004152//ESTs//5.7e-35:187:96//Hs.98977:AA625872
- 25 F-NT2RP2004165//Homo sapiens serine kinase SRPK2 mRNA, complete cds//0.69:176:63//Hs.78353:U88666
 F-NT2RP2004170//ESTs//3.9e-05:380:61//Hs.143748:AI419966
 F-NT2RP2004172//ESTs//5.8e-18:104:99//Hs.157031:AI343501
 F-NT2RP2004187//ESTs, Moderately similar to zinc finger protein [H.sapiens]//1.7e-16:276:67//Hs.36779:AA626790
- 30 F-NT2RP2004194//Human p300/CBP-associated factor (P/CAF) mRNA, complete cds//1.0:124:69//Hs.155302:U57317
 F-NT2RP2004196
 F-NT2RP2004207//ESTs//3.8e-11:92:88//Hs.22678:AA604756
 F-NT2RP2004226//ESTs, Weakly Similar to teg292 protein [M.musculus]//1.8e-80:386:98//Hs.68791:AA527270
- 35 F-NT2RP2004232//Protein kinase C, mu//3.9e-36:448:67//Hs.2891:X75756
 F-NT2RP2004239//ESTs//0.12:196:61//Hs.127209:AA976680
 F-NT2RP2004240//EST//1.0:134:63//Hs.104466:AA282536
 F-NT2RP2004242//Homo sapiens Nck-2 (NCK2) mRNA, complete cds//0.27:313:59//Hs.129725:AF047487
 F-NT2RP2004245//ESTs, Weakly similar to No definition line found [C.elegans]//8.2e-51:474:74//Hs.108990:N25951
- 40 F-NT2RP2004270//MUELLERIAN INHIBITING FACTOR PRECURSOR//1.6e-06:490:60//Hs.12432:AC005263
 F-NT2RP2004300//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 3//0.35:157:67//Hs.37121:Z37544
 F-NT2RP2004316//Homo sapiens EXT-like protein 2 (EXTL2) mRNA, complete cds//1.5e-151:735:97//Hs.61152:AF000416
- 45 F-NT2RP2004321//ESTs//2.6e-64:385:88//Hs.133128:W27735
 F-NT2RP2004339//ESTs//3.3e-46:338:83//Hs.145091:AA814510
 F-NT2RP2004347//ESTs//1.0:184:61//Hs.134469:AA731632
 F-NT2RP2004364//ESTs//2.9e-70:366:95//Hs.14928:AA256202
- 50 F-NT2RP2004365
 F-NT2RP2004366//Homo sapiens mRNA for DFFRY protein, abundant transcript//0.60:295:57//Hs.39163:AF000986
 F-NT2RP2004373
 F-NT2RP2004389//ESTs, Highly similar to HYPOTHETICAL 70.7 KD PROTEIN F09G8.3 IN CHROMOSOME III [Caenorhabditis elegans]//3.3e-97:477:98//Hs.30490:AA146916
- 55 F-NT2RP2004392//ESTs//2.6e-61:305:98//Hs.43100:AA186588
 F-NT2RP2004396//Homo sapiens BAC clone RG135C18 from 7q21//1.4e-174:875:95//Hs.152759:AC005164
 F-NT2RP2004399//ESTs, Weakly similar to K01H12.1 [C.elegans]//1.2e-92:519:91//Hs.13275:AI341468

F-NT2RP2004400//EST//0.018:150:65//Hs.158739:AI375367
 F-NT2RP2004412
 F-NT2RP2004425//EST//0.049:145:64//Hs.160759:R36944
 F-NT2RP2004463//ESTs//1.5e-40:207:98//Hs.98057:C15687
 5 F-NT2RP2004476//Homo sapiens TWIK-related acid-sensitive K⁺ channel (TASK) mRNA, complete cds//0.45:
 208:61//Hs.24040:AF006823
 F-NT2RP2004490
 F-NT2RP2004512//ESTs//0.0012:330:61//Hs.70258:AI091203
 F-NT2RP2004523//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//1.3e-29:270:79//
 10 Hs.73614:U83460
 F-NT2RP2004538//Homo sapiens mRNA for KIAA0591 protein, partial cds//4.6e-139:687:96//Hs.129908:
 AB011163
 F-NT2RP2004551//ESTs//0.0075:285:62//Hs.149442:AI346891
 F-NT2RP2004568//Homo sapiens antigen NY-CO-16 mRNA, complete cds//8.8e-06:291:61//Hs.132206:
 15 AF039694
 F-NT2RP2004580//Small inducible cytokine A5 (RANTES)//1.2e-45:334:82//Hs.155464:AF088219
 F-NT2RP2004587//Homo sapiens mRNA for KIAA0766 protein, complete cds//0.98:136:64//Hs.28020:AB018309
 F-NT2RP2004594//ESTs, Highly similar to MKR2 PROTEIN [Mus musculus]//1.0:104:68//Hs.125729:N99898
 F-NT2RP2004600//Homo sapiens mRNA for Hrs, complete cds//0.20:260:60//Hs.24756:U43895
 20 F-NT2RP2004602//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.0e-59:
 273:93//Hs.12845:N28835
 F-NT2RP2004614//EST//0.99:103:68//Hs.148738:AI224908
 F-NT2RP2004655//Homo sapiens mRNA for leucine rich protein//8.4e-104:496:98//Hs.5198:AJ006291
 F-NT2RP2004664//Homo sapiens mRNA for KIAA0460 protein, partial cds//5.2e-155:728:98//Hs.29956:
 25 AB007929
 F-NT2RP2004675//EST//0.65:151:62//Hs.130504:AI003839
 F-NT2RP2004681
 F-NT2RP2004689//Homo sapiens mRNA for KIAA0625 protein, partial cds//4.1e-61:327:94//Hs.154919:
 AB014525
 30 F-NT2RP2004709//ESTs//2.2e-05:98:77//Hs.161898:AA286942
 F-NT2RP2004710//ESTs//0.0035:76:82//Hs.108470:R93780
 F-NT2RP2004736//Homo sapiens mRNA for KIAA0478 protein, complete cds//2.1e-118:582:96//Hs.4236:
 AB007947
 F-NT2RP2004743//EST//0.11:170:64//Hs.112670:AA609242
 35 F-NT2RP2004767//EST//1.5e-09:303:65//Hs.148374:AA948183
 F-NT2RP2004768//ESTs, Highly similar to SERINE/THREONINE-PROTEIN KINASE PAK [Rattus norvegicus]//
 3.7e-110:548:96//Hs.85768:W16504
 F-NT2RP2004775//Homo sapiens transcriptional regulatory protein p54 mRNA, complete cds//0.025:547:57//Hs.
 107474:AF045451
 40 F-NT2RP2004791//Human endosome-associated protein (EEA1) mRNA, complete cds//0.99:121:64//Hs.2864:
 L40157
 F-NT2RP2004799//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds//
 4.9e-118:594:95//Hs.40820:AF058953
 F-NT2RP2004802//ESTs//5.6e-16:116:91//Hs.153841:N36043
 45 F-NT2RP2004816//Homo sapiens H beta 58 homolog mRNA, complete cds//6.8e-103:495:97//Hs.67052:
 AF054179
 F-NT2RP2004841//Human transposon-like element mRNA//3.0e-70:519:83//Hs.84775:M23161
 F-NT2RP2004861//ESTs//6.7e-89:427:98//Hs.132980:AI290258
 F-NT2RP2004897//ESTs//6.4e-81:431:94//Hs.130961:N79111
 50 F-NT2RP2004933//Homo sapiens mRNA for ZIP-kinase, complete cds//6.5e-84:418:95//Hs.25619:AB007144
 F-NT2RP2004936
 F-NT2RP2004959
 F-NT2RP2004961//Human mRNA for KIAA0065 gene, partial cds//7.2e-26:456:66//Hs.70617:D31763
 F-NT2RP2004962//EST//2.8e-15:242:69//Hs.146794:AI149478
 55 F-NT2RP2004967//ESTs//0.0022:218:63//Hs.131987:AI239735
 F-NT2RP2004978//Homo sapiens mRNA for KIAA0458 protein, complete cds//1.0:218:61//Hs.7414:AB007927
 F-NT2RP2004982//Human kinesin-like spindle protein HKSP (HKSP) mRNA, complete cds//0.13:260:60//Hs.
 41723:U37426

F-NT2RP2004985//Human mRNA for KIAA0144 gene, complete cds//4.8e-22:431:65//Hs.8127:D63478
 F-NT2RP2004999
 F-NT2RP2005000//Homo sapiens hyperpolarization-activated channel 1 (IH1) mRNA, partial cds//0.99:269:58//
 Hs.124161:AF065164
 5 F-NT2RP2005001//Homo sapiens mRNA for KIAA0615 protein, complete cds//1.9e-160:782:97//Hs.155972:
 AB014515
 F-NT2RP2005003//H.sapiens Staf50 mRNA//9.9e-44:430:75//Hs.68054:X82200
 F-NT2RP2005012//Homo sapiens SEC63 (SEC63) mRNA, complete cds//4.5e-100:501:96//Hs.31575:AF100141
 F-NT2RP2005018//Arachidonate 5-lipoxygenase//1.0:232:58//Hs.89499:J03600
 10 F-NT2RP2005020//ESTs//1.2e-06:61:100//Hs.106160:AA527433
 F-NT2RP2005022//Eukaryotic translation initiation factor 3 (eIF-3) p36 subunit//0.095:271:60//Hs.139745:U39067
 F-NT2RP2005031//Homo sapiens mRNA for SCP-1, complete cds//0.99:338:61//Hs.112743:D67035
 F-NT2RP2005037//Homo sapiens mRNA for repressor protein, partial cds//0.098:217:60//Hs.58167:D30612
 F-NT2RP2005038//Homo sapiens protease-activated receptor 4 mRNA, complete cds//0.22:498:59//Hs.137574:
 15 AF055917
 F-NT2RP2005108//ESTs//0.74:145:63//Hs.116557:AA657838
 F-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds//6.4e-105:495:98//Hs.22616:
 AB014564
 F-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein)//9.2e-29:157:98//Hs.
 20 100555:X98743
 F-NT2RP2005139//ESTs//2.6e-91:479:95//Hs.125037:W42803
 F-NT2RP2005140//ESTs//0.81:308:59//Hs.27308:AA534947
 F-NT2RP2005144//Homo sapiens tubby like protein 3 (TULP3) mRNA, complete cds//8.3e-91:447:96//Hs.132226:
 AF045583
 25 F-NT2RP2005147
 F-NT2RP2005159//ESTs//1.5e-44:242:94//Hs.109819:AI357582
 F-NT2RP2005162//ESTs, Weakly similar to Y53C12A.3 [C.elegans]//0.97:80:73//Hs.107747:AI357868
 F-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein//4.4e-127:633:96//Hs.155218:
 AJ007509
 30 F-NT2RP2005204//H.sapiens 5T4 gene for 5T4 Oncofetal antigen//0.0034:187:66//Hs.82128:AJ012159
 F-NT2RP2005227//Homo sapiens PAC clone DJ0905J08 from 7p12-p14//1.3e-66:340:95//Hs.8173:AC005189
 F-NT2RP2005239//EST//1.3e-05:215:66//Hs.129528:AA994783
 F-NT2RP2005254//H.sapiens mRNA for PHAPI2b protein//1.0:101:71//Hs.84264:U70439
 F-NT2RP2005270//Homo sapiens creatine transporter mRNA, complete cds//0.56:114:68//Hs.154503:U36341
 35 F-NT2RP2005276//Homo sapiens acyl-CoA synthetase 4 (ACS4) mRNA, complete cds//1.2e-40:594:65//Hs.
 81452:AF030555
 F-NT2RP2005287//ESTs//8.2e-07:175:70//Hs.117134:AI383932
 F-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds//2.3e-123:604:96//
 Hs.27007:AF060219
 40 F-NT2RP2005289//Homo sapiens mRNA for XPR2 protein//1.3e-141:670:98//Hs.44766:AJ007590
 F-NT2RP2005293//EST//1.9e-50:254:98//Hs.162017:AA505833
 F-NT2RP2005315//Homo sapiens mRNA for KIAA0676 protein, partial cds//3.6e-97:483:96//Hs.115763:
 AB014576
 F-NT2RP2005325//Human LIM-homeobox domain protein (hLH-2) mRNA, complete cds//2.6e-23:166:90//Hs.
 45 1569:U11701
 F-NT2RP2005336//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete
 cds//0.016:353:62//Hs.113265:AF032387
 F-NT2RP2005344//Homo sapiens mRNA for KIAA0566 protein, partial cds//2.8e-30:456:66//Hs.44697:AB011138
 F-NT2RP2005354//ESTs//0.71:192:60//Hs.39063:AA708958
 50 F-NT2RP2005358//Homo sapiens methyl-CpG binding protein MBD3 (MBD3) mRNA, complete cds//1.4e-100:
 489:96//Hs.107254:AC005943
 F-NT2RP2005360//ESTs//8.2e-35:190:95//Hs.163038:AA700122
 F-NT2RP2005393//Homo sapiens CTG26 alternate open reading frame mRNA, complete cds//0.87:244:59//Hs.
 113252:U80761
 55 F-NT2RP2005407
 F-NT2RP2005436//Homo sapiens mRNA for KIAA0561 protein, partial cds//0.28:338:57//Hs.6189:AB011133
 F-NT2RP2005441//ESTs//3.3e-45:238:96//Hs.5209:AA780068
 F-NT2RP2005453//ESTs//2.1e-20:115:99//Hs.133087:AI091164

EP 1 074 617 A2

- F-NT2RP2005457//ESTs, Highly similar to NADH-UBIQUINONE OXIDOREDUCTASE SUBUNIT B14.5B [Bos taurus]/8.5e-48:295:90//Hs.75017:AA166853
F-NT2RP2005464//ESTs/2.0e-99:495:96//Hs.3530:AA808243
F-NT2RP2005465//V-crk avian sarcoma virus CT10 oncogene homolog/0.032:176:64//Hs.16:D10656
5 F-NT2RP2005472//ESTs/1.4e-34:180:98//Hs.158892:AD78412
F-NT2RP2005476//Homo sapiens mRNA for KIAA0772 protein, complete cds/9.9e-48:432:77//Hs.15519:AB018315
F-NT2RP2005490//ESTs/4.5e-19:165:84//Hs.134382:AA083573
F-NT2RP2005491
10 F-NT2RP2005495//ESTs/5.6e-96:452:99//Hs.145417:AI084164
F-NT2RP2005496//Human mRNA for KIAA0326 gene, partial cds/4.4e-48:621:68//Hs.6833:AB002324
F-NT2RP2005498//Human protein phosphatase 2A beta subunit mRNA, complete cds/1.6e-63:503:78//Hs.7688:M64930
F-NT2RP2005501//Homo sapiens Notch3 (NOTCH3) mRNA, complete cds/0.56:139:66//Hs.8546:U97669
15 F-NT2RP2005509//Glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), regulatory (30.8kD)/1.0:291:59//Hs.89709:L35546
F-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds/1.2e-82:444:92//Hs.119023:AF092563
F-NT2RP2005525//Homo sapiens mRNA for KIAA0764 protein, complete cds/2.2e-19:112:99//Hs.6232:AB018307
20 F-NT2RP2005531//ESTs, Weakly similar to erythrocyte membrane protein 4.1 [H.sapiens]/3.5e-50:366:83//Hs.61833:AA036735
F-NT2RP2005539//Homo sapiens mRNA for NS1-binding protein (NS1-BP)/9.4e-155:747:97//Hs.159597:AJ012449
25 F-NT2RP2005540//Homo sapiens mRNA for KIAA0494 protein, complete cds/1.9e-131:618:98//Hs.62515:AB007963
F-NT2RP2005549//ESTs, Weakly similar to HYPOTHETICAL 32.0 KD PROTEIN C16C10.10 IN CHROMOSOME III [C.elegans]/2.5e-51:292:93//Hs.105684:H24407
F-NT2RP2005555//EST/0.046:308:57//Hs.145962:AI276822
30 F-NT2RP2005557//ESTs/4.6e-48:382:79//Hs.125014:AI422839
F-NT2RP2005581//ESTs/6.3e-28:166:93//Hs.87803:AA034436
F-NT2RP2005600//ESTs/1.6e-40:228:93//Hs.160085:AI218627
F-NT2RP2005605//ESTs/5.7e-13:115:86//Hs.37718:H60071
F-NT2RP2005620//Homo sapiens epsin 2b mRNA, complete cds/3.1e-92:447:97//Hs.22396:AF062085
35 F-NT2RP2005622//ESTs/0.16:242:63//Hs.136395:AA523702
F-NT2RP2005635
F-NT2RP2005637//ESTs/0.055:96:69//Hs.105998:R90905
F-NT2RP2005640//ESTs/4.5e-16:107:92//Hs.150823:AI292145
F-NT2RP2005645//ESTs/2.7e-29:181:90//Hs.121653:AI375440
40 F-NT2RP2005651//Oxysterol binding protein/0.00011:122:69//Hs.1433065:M86917
F-NT2RP2005654//Homo sapiens mRNA for KIAA0288 gene, complete cds/1.5e-08:351:62//Hs.91400:AB006626
F-NT2RP2005669//ESTs/0.016:185:64//Hs.97713:AA442239
F-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds/7.7e-96:462:98//Hs.25664:AF089814
45 F-NT2RP2005683//ESTs/0.83:242:62//Hs.136395:AA523702
F-NT2RP2005690//PYRROLINE-5-CARBOXYLATE REDUCTASE/2.5e-11:328:61//Hs.79217:M77836
F-NT2RP2005694
F-NT2RP2005701//Homo sapiens protein phosphatase 2A B56-epsilon (PP2A) mRNA, complete cds/0.15:496:55//Hs.79326:L76703
50 F-NT2RP2005712//Homo sapiens mRNA for KIAA0799 protein, partial cds/5.1e-126:599:97//Hs.61638:AB018342
F-NT2RP2005719//ESTs/0.58:326:60//Hs.157209:N57527
F-NT2RP2005722//Zinc finger protein 136 (clone pHZ-20)/8.2e-46:415:77//Hs.69740:U09367
55 F-NT2RP2005723//ESTs/1.0e-15:141:81//Hs.163747:AA174017
F-NT2RP2005726//EST/3.4e-15:96:95//Hs.156170:AI334191
F-NT2RP2005732//ESTs/0.99:162:62//Hs.154914:AA721086
F-NT2RP2005741//Homo sapiens chondroadherin gene, 5'flanking region and/0.80:362:58//Hs.97220:U96769

EP 1 074 617 A2

F-NT2RP2005748//H.sapiens ZNF33B gene//0.47:99:65//Hs.72991:X68688
 F-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds//2.5e-23:134:96//
 Hs.159651:AF068868
 F-NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//4.0e-102:486:98//Hs.
 5 26285:AF082516
 F-NT2RP2005763//EUKARYOTIC INITIATION FACTOR 4A-LIKE NUK-34//2.3e-05:425:56//Hs.79768:D21853
 F-NT2RP2005767//Homolog 2 of Drosophila large discs//0.085:262:61//Hs.23205:X82895
 F-NT2RP2005773//PYRROLINE-5-CARBOXYLATE REDUCTASE//2.0e-16:153:82//Hs.79217:M77836
 F-NT2RP2005775//Human thimet oligopeptidase (THOP1) mRNA, complete cds//1.7e-42:645:64//Hs.78769:
 10 Z50115
 F-NT2RP2005781//ESTs//1.1e-19:132:90//Hs.13550:AI378556
 F-NT2RP2005784//Inhibitor of DNA binding 4, dominant negative helix-loop-helix protein//2.9e-06:201:67//Hs.
 34853:U28368
 F-NT2RP2005804//ESTs//1.2e-07:62:93//Hs.125509:AA883820
 15 F-NT2RP2005812
 F-NT2RP2005815//ESTs//1.9e-32:173:97//Hs.144587:AI193595
 F-NT2RP2005835
 F-NT2RP2005841//Homo sapiens retinal rod Na-Ca+K exchanger (NCKX1) mRNA, complete cds//0.94:148:65//
 Hs.59829:AB014602
 20 F-NT2RP2005853
 F-NT2RP2005857//Homo sapiens chromosome-associated protein-C (hCAP-C) mRNA, partial cds//5.4e-176:829:
 98//Hs.50758:AF092564
 F-NT2RP2005859//ESTs//2.1e-97:537:92//Hs.131915:W22567
 F-NT2RP2005868
 25 F-NT2RP2005886//Human putative M phase phosphoprotein 1 (MPP1) mRNA, partial cds//0.26:728:57//Hs.240:
 L16782
 F-NT2RP2005890//ESTs//2.0e-97:453:100//Hs.88671:AA279943
 F-NT2RP2005901//ESTs//0.99:188:64//Hs.28639:R78360
 F-NT2RP2005908//ESTs//2.5e-43:325:82//Hs.152340:AA521399
 30 F-NT2RP2005933//ESTs, Highly similar to nucleoporin p54 [R.norvegicus]//7.9e-90:326:98//Hs.156882:
 AA292186
 F-NT2RP2005942//H.sapiens PAP mRNA//5.1e-48:618:67//Hs.49007:X76770
 F-NT2RP2005980//ESTs//2.8e-22:358:68//Hs.125446:AA883339
 F-NT2RP2006023
 35 F-NT2RP2006038//ESTs//8.0e-37:351:74//Hs.128787:AA418382
 F-NT2RP2006043//Human novel homeobox mRNA for a DNA binding protein//0.51:271:59//Hs.37035:U07664
 F-NT2RP2006052//ESTs//4.0e-05:233:63//Hs.124864:AA663093
 F-NT2RP2006069//Human mRNA for KIAA0279 gene, partial cds//0.0082:770:58//Hs.57652:D87469
 F-NT2RP2006071//ESTs//2.1e-24:396:65//Hs.104404:AI337416
 40 F-NT2RP2006098//ESTs//0.97:125:67//Hs.97996:AA405970
 F-NT2RP2006100
 F-NT2RP2006103//ESTs//5.2e-11:102:83//Hs.125656:AA883135
 F-NT2RP2006106//ESTs//1.6e-78:456:90//Hs.133496:AA315349
 F-NT2RP2006141//ESTs//1.7e-20:262:72//Hs.128677:AA649240
 45 F-NT2RP2006166
 F-NT2RP2006184//H.sapiens p63 mRNA for transmembrane protein//1.0:94:73//Hs.74368:X69910
 F-NT2RP2006186//Homo sapiens mRNA for KIAA0654 protein, partial cds//2.5e-114:567:96//Hs.109299:
 AB014554
 F-NT2RP2006196//Homo sapiens mRNA for KIAA0772 protein, complete cds//2.0e-23:187:85//Hs.15519:
 50 AB018315
 F-NT2RP2006200//ESTs//1.0:224:62//Hs.144100:AI205503
 F-NT2RP2006219//H.sapiens mRNA for DGCR6 protein//4.4e-118:618:93//Hs.153910:X96484
 F-NT2RP2006237
 F-NT2RP2006238
 55 F-NT2RP2006258//ESTs//0.0034:143:69//Hs.145798:AI269970
 F-NT2RP2006261//H.sapiens mRNA for serine/threonine protein kinase EMK//0.019:111:71//Hs.157199:X97630
 F-NT2RP2006275//Homo sapiens mRNA for serin protease with IGF-binding motif, complete cds//2.4e-05:388:
 60//Hs.75111:D87258

EP 1 074 617 A2

F-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds//2.1e-121:598:97//Hs.3404:AF035262
F-NT2RP2006320//ESTs, Moderately similar to maternal transcript Maid [M.musculus]/1.9e-29:151:100//Hs.36794:AI038407
F-NT2RP2006321//ESTs//7.0e-15:141:82//Hs.71241:H09371
5 F-NT2RP2006323//Homo sapiens mRNA for NBPhox, complete cds//4.7e-06:170:70//Hs.87202:D82344
F-NT2RP2006333//Homo sapiens TRRAP protein (TRRAP) mRNA, complete cds//0.11:43:100//Hs.6892:AF076974
F-NT2RP2006334//Homo sapiens mRNA for KIAA0602 protein, partial cds//3.1e-05:233:65//Hs.37656:AB011174
F-NT2RP2006365//ESTs//8.9e-46:268:93//Hs.58403:AA058501
10 F-NT2RP2006393//ESTs//1.2e-20:159:86//Hs.146018:AA280341
F-NT2RP2006436//Human homeodomain-containing protein (HANF) mRNA, complete cds//0.59:133:64//Hs.95838:AF059734
F-NT2RP2006441//ESTs//1.6e-82:400:98//Hs.143514:AI221934
F-NT2RP2006454//EST//5.2e-07:172:68//Hs.157742:AI360509
15 F-NT2RP2006456
F-NT2RP2006464//Homo sapiens mRNA for AND-1 protein//1.1e-149:545:98//Hs.72160:AJ006266
F-NT2RP2006467
F-NT2RP2006472
F-NT2RP2006534//ESTs//5.6e-05:192:66//Hs.135750:AA160048
20 F-NT2RP2006554//EST//0.60:116:65//Hs.160110:AA922134
F-NT2RP2006565//Homo sapiens secretory carrier-associated membrane protein (SCAMP) mRNA, complete cds//2.1e-115:669:90//Hs.31218:AF038966
F-NT2RP2006571//Cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 6//2.1e-24:476:64//Hs.73864:U22029
25 F-NT2RP2006573
F-NT2RP2006598//ESTs//1.3e-16:137:85//Hs.131350:AA805223
F-NT2RP3000002//ESTs//3.6e-32:215:86//Hs.155446:AA188180
F-NT2RP3000031//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//1.9e-137:637:98//Hs.6764:AJ011972
30 F-NT2RP3000046//Homo sapiens TTF-I interacting peptide 20 mRNA, partial cds//9.1e-07:568:61//Hs.79531:AF000560
F-NT2RP3000047
F-NT2RP3000050//Human repressor transcriptional factor (ZNF85) mRNA, complete cds//1.2e-58:633:69//Hs.37138:U35376
35 F-NT2RP3000055//ESTs//1.2e-07:200:66//Hs.127362:AA954961
F-NT2RP3000068
F-NT2RP3000072//EST//0.99:199:63//Hs.8469:T40769
F-NT2RP3000080//Landsteiner-Wiener blood group glycoprotein//4.8e-41:353:78//Hs.108287:L27670
F-NT2RP3000085//Propionyl-CoA carboxylase alpha chain//7.9e-30:665:60//Hs.80741:X14608
40 F-NT2RP3000092//EST//2.0e-15:94:97//Hs.145389:AI253140
F-NT2RP3000109//ESTs//6.8e-11:77:96//Hs.153931:AI243595
F-NT2RP3000134//Homo sapiens PAC clone DJ0905J08 from 7p12-p14//5.0e-94:438:100//Hs.8173:AC005189
F-NT2RP3000142//Homo sapiens mRNA for KIAA0592 protein, partial cds//2.9e-182:849:98//Hs.13273:AB011164
45 F-NT2RP3000149//Human Line-1 repeat mRNA with 2 open reading frames//4.1e-20:133:94//Hs.23094:M19503
F-NT2RP3000186//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0492//6.6e-08:152:71//Hs.127338:AB007961
F-NT2RP3000197//ESTs//1.1e-58:301:96//Hs.87461:AA292779
F-NT2RP3000207
50 F-NT2RP3000220
F-NT2RP3000233//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//6.6e-20:509:58//Hs.122967:AF059569
F-NT2RP3000235//ESTs//1.7e-06:220:62//Hs.42771:N26740
F-NT2RP3000247//Human mRNA for KIAA0218 gene, complete cds//6.7e-111:691:86//Hs.75863:D86972
55 F-NT2RP3000251//ESTs//6.7e-48:245:97//Hs.28249:AA203733
F-NT2RP3000252
F-NT2RP3000255
F-NT2RP3000267//ESTs//0.14:53:92//Hs.151586:W45568

F-NT2RP3000299//Homo sapiens enhancer of filamentation (HEF1) mRNA, complete cds//1.7e-13:214:67//Hs.80261:L43821
 F-NT2RP3000312//ESTs//2.6e-50:255:97//Hs.146263:AA255863
 5 F-NT2RP3000320//Homo sapiens proline and glutamic acid rich nuclear protein isoform mRNA, partial cds//0.0088:236:63//Hs.102732:U88153
 F-NT2RP3000324//ESTs//3.8e-10:102:83//Hs.55495:AI091242
 F-NT2RP3000333//ESTs, Weakly similar to mitogen-activated kinase kinase kinase 5 [H.sapiens]//0.57:189:65//Hs.46146:AA418097
 F-NT2RP3000341//Human mRNA for KIAA0392 gene, partial cds//1.1e-49:442:78//Hs.40100:AB002390
 10 F-NT2RP3000348
 F-NT2RP3000350//H.sapiens mRNA for GTP-binding protein//0.93:164:59//Hs.78582:X80754
 F-NT2RP3000359//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL//1.8e-43:649:66//Hs.101642:X60673
 F-NT2RP3000361//ESTs//2.6e-112:531:98//Hs.17672:AA305921
 15 F-NT2RP3000366//ESTs, Highly similar to RAS-RELATED PROTEIN RAB-18A [Lymnaea stagnalis]//4.0e-116:596:95//Hs.21094:AI337016
 F-NT2RP3000393//ESTs//2.6e-18:137:89//Hs.115600:AA351639
 F-NT2RP3000397//ESTs//8.7e-44:355:73//Hs.121961:AA777873
 F-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds//1.6e-175:841:97//Hs.28307:AF071185
 20 F-NT2RP3000418//Human Line-1 repeat mRNA with 2 open reading frames//2.7e-33:610:65//Hs.23094:M19503
 F-NT2RP3000433//ESTs//1.5e-32:246:69//Hs.120892:AA724948
 F-NT2RP3000439//Adenosine A2b receptor//0.44:210:62//Hs.45743:X68487
 F-NT2RP3000441
 25 F-NT2RP3000449//ESTs//0.60:177:64//Hs.132605:AI051562
 F-NT2RP3000451//Receptor protein-tyrosine kinase EDDR1//0.95:315:58//Hs.75562:U48705
 F-NT2RP3000456//ESTs//7.5e-23:140:92//Hs.5209:AA780068
 F-NT2RP3000484//EST//2.5e-06:166:67//Hs.149950:AI289822
 F-NT2RP3000487//ESTs//1.2e-63:311:98//Hs.143304:AI084058
 30 F-NT2RP3000512//Homeo box B3//3.1e-18:109:97//Hs.49931:X16667
 F-NT2RP3000526//ESTs//3.7e-74:424:93//Hs.42991:N21379
 F-NT2RP3000527//Human mRNA for KIAA0211 gene, complete cds//8.0e-36:706:63//Hs.79347:D86966
 F-NT2RP3000531//ESTs//9.6e-75:392:95//Hs.144148:H08308
 F-NT2RP3000542//ESTs//3.2e-88:448:96//Hs.30622:AA486412
 35 F-NT2RP3000561//EST//0.88:92:64//Hs.148290:AA908404
 F-NT2RP3000562//ESTs//1.1e-112:522:99//Hs.125153:AA453723
 F-NT2RP3000578
 F-NT2RP3000582//ESTs//2.1e-82:413:97//Hs.118544:R17277
 F-NT2RP3000584
 40 F-NT2RP3000590//ESTs//1.0:134:64//Hs.12969:N56904
 F-NT2RP3000592//Paired basic amino acid cleaving system 4//3.4e-05:502:57//Hs.77234:AB001914
 F-NT2RP3000596//ESTs//6.8e-71:361:95//Hs.118741:AA179811
 F-NT2RP3000599//ESTs, Weakly similar to T19B10.6 [C.elegans]//9.3e-61:355:92//Hs.114622:AA693492
 F-NT2RP3000603//Human mRNA for KIAA0227 gene, partial cds//6.3e-10:553:59//Hs.79170:D86980
 45 F-NT2RP3000605//ESTs//5.8e-51:283:94//Hs.127152:AI421203
 F-NT2RP3000622//ESTs//1.7e-10:72:98//Hs.155360:AA984683
 F-NT2RP3000624//64 KD AUTOANTIGEN D1//0.99:194:61//Hs.79386:X54162
 F-NT2RP3000628//ESTs//0.96:221:61//Hs.131161:AI017333
 F-NT2RP3000632//ESTs//4.4e-53:244:77//Hs.143010:AA767904
 50 F-NT2RP3000644//Small inducible cytokine A5 (RANTES)//3.0e-49:343:84//Hs.155464:AF088219
 F-NT2RP3000661
 F-NT2RP3000665//Homo sapiens putative transcription factor CA150 mRNA, complete cds//0.62:305:59//Hs.13063:AF017789
 F-NT2RP3000685
 55 F-NT2RP3000690//EST//1.0:149:64//Hs.140263:AA709001
 F-NT2RP3000736//ESTs//5.3e-26:146:97//Hs.98613:D83884
 F-NT2RP3000739//ESTs//0.0046:66:87//Hs.6880:W26854
 F-NT2RP3000742//ESTs//5.5e-08:311:61//Hs.152224:AI369426

EP 1 074 617 A2

F-NT2RP3000753//ESTs//2.6e-63:318:97//Hs.153000:AA777765
F-NT2RP3000759//Homo sapiens mRNA for follistatin-related protein (FRP), complete cds//1.6e-38:245:91//Hs.2427:D89937
F-NT2RP3000815
5 F-NT2RP3000825//EST//1.0:220:61//Hs.135944:N45132
F-NT2RP3000826//Homo sapiens deltex (Dx) mRNA, complete cds//0.00040:263:65//Hs.124024:AF053700
F-NT2RP3000836//ESTs, Highly similar to CLATHRIN COAT ASSEMBLY PROTEIN AP47 HOMOLOG 2 [H.sapiens]//1.1e-71:363:96//Hs.23803:AA126476
F-NT2RP3000841//EST//0.36:224:60//Hs.162094:AA524012
10 F-NT2RP3000845//H.sapiens mRNA for serine/threonine protein kinase EMK//6.5e-48:593:68//Hs.157199:X97630
F-NT2RP3000847//ESTs//0.0028:56:92//Hs.116406:AA209520
F-NT2RP3000850//Small inducible cytokine A5 (RANTES)//2.0e-49:323:86//Hs.155464:AF088219
F-NT2RP3000852
15 F-NT2RP3000859//ESTs//0.39:169:62//Hs.148948:AA699918
F-NT2RP3000865//EST//0.15:236:62//Hs.123366:AA811476
F-NT2RP3000868//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds//6.4e-31:766:60//Hs.15432:U53445
F-NT2RP3000869//Human plectin (PLEC1) mRNA, complete cds//1.1e-13:701:60//Hs.79706:U53204
20 F-NT2RP3000875
F-NT2RP3000901//ESTs//8.2e-26:191:87//Hs.18793:R99101
F-NT2RP3000904//EST//2.4e-49:240:100//Hs.160842:AI348374
F-NT2RP3000917
F-NT2RP3000919//MAP KINASE PHOSPHATASE-1//0.19:340:60//Hs.109895:X68277
25 F-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A//7.7e-44:351:83//Hs.2953:X84407
F-NT2RP3000980//ESTs//6.5e-10:102:81//Hs.86950:AI204212
F-NT2RP3000994//ESTs//4.1e-120:571:98//Hs.127295:AA918411
F-NT2RP3001004//ESTs//1.1e-76:438:88//Hs.144554:N92198
F-NT2RP3001007
30 F-NT2RP3001055//ESTs, Weakly similar to weak similarity to procollagen alpha chain 1(V) chain [C.elegans]//2.9e-121:588:98//Hs.128781:AA160707
F-NT2RP3001057//ESTs, Highly similar to ZINC FINGER PROTEIN 45 [Homo sapiens]//9.8e-54:282:97//Hs.30303:AI244662
F-NT2RP3001081//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds//2.7e-51:534:74//Hs.27007:AF060219
35 F-NT2RP3001084//Homo sapiens mRNA for KIAA0782 protein, partial cds//3.7e-16:474:60//Hs.21264:AB018325
F-NT2RP3001096//Homo sapiens mRNA for cartilage-associated protein (CASP)//4.4e-16:428:60//Hs.155481:AJ006470
F-NT2RP3001107//Human mRNA for KIAA0215 gene, complete cds//2.8e-34:712:64//Hs.82292:D86969
40 F-NT2RP3001109//ESTs//1.2e-67:323:99//Hs.134734:AI337050
F-NT2RP3001111
F-NT2RP3001113//EST//1.1e-33:173:99//Hs.112640:AA609088
F-NT2RP3001115//EST//1.3e-22:122:100//Hs.162990:AA688023
F-NT2RP3001116//ESTs//1.1e-15:93:98//Hs.58412:W74779
45 F-NT2RP3001119//Homo sapiens BC-2 protein mRNA, complete cds//0.96:258:61//Hs.12107:AF042384
F-NT2RP3001120//Zinc finger protein 136 (clone pHZ-20)//2.4e-77:687:75//Hs.69740:U09367
F-NT2RP3001126//Homo sapiens mRNA for KIAA0775 protein, complete cds//0.00018:341:60//Hs.94790:AB018318
F-NT2RP3001133//Homeo box A4//0.00011:484:59//Hs.77637:M74297
50 F-NT2RP3001140//Homo sapiens mRNA for KIAA0762 protein, partial cds//1.1e-180:851:98//Hs.5378:AB018305
F-NT2RP3001147
F-NT2RP3001150//PUTATIVE TACHYKININ RECEPTOR//0.97:257:59//Hs.957:M84605
F-NT2RP3001155//Homo sapiens mRNA for AND-1 protein//1.7e-191:891:98//Hs.72160:AJ006266
F-NT2RP3001176
55 F-NT2RP3001214//EST//0.88:218:60//Hs.161147:AI417859
F-NT2RP3001216//ESTs//1.5e-66:340:96//Hs.105994:W19981
F-NT2RP3001221//ESTs, Weakly similar to M05D6.7 [C.elegans]//1.7e-97:512:95//Hs.103816:AA130866
F-NT2RP3001232//EST//0.0016:116:71//Hs.136498:AA594010

F-NT2RP3001236//ESTs//3.7e-97:455:99//Hs.157488:AI362756
 F-NT2RP3001239//MICROTUBULE-ASSOCIATED PROTEIN 1B//1.7e-20:501:62//Hs.103042:L06237
 F-NT2RP3001245//ESTs//7.1e-80:434:93//Hs.22587:AA743132
 F-NT2RP3001253//Human prepromultimerin mRNA, complete cds//0.99:293:60//Hs.32934:U27109
 5 F-NT2RP3001260//Homo sapiens mRNA for KIAA0726 protein, complete cds//1.2e-48:761:64//Hs.107809:
 AB018269
 F-NT2RP3001268//Zinc finger protein 45 (a Kruppel-associated box (KRAB) domain polypeptide)//1.2e-42:454:
 72//Hs.41728:L75847
 F-NT2RP3001272//ESTs//5.0e-21:162:87//Hs.69149:AA102566
 10 F-NT2RP3001274
 F-NT2RP3001281//ESTs//2.1e-39:186:73//Hs.161662:AA836811
 F-NT2RP3001297//Human mRNA for KIAA0281 gene, complete cds//2.4e-48:544:69//Hs.31463:D87457
 F-NT2RP3001307//Human homeodomain protein (Prox 1) mRNA, complete cds//0.72:151:68//Hs.159437:
 U44060
 15 F-NT2RP3001318//Amylo-1,6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glyco-
 gen storage disease type III)//0.012:522:56//Hs.904:U84010
 F-NT2RP3001325//ESTs//2.9e-80:396:97//Hs.99838:AA204731
 F-NT2RP3001338//Human mRNA for KIAA0211 gene, complete cds//1.6e-30:345:73//Hs.79347:D86966
 F-NT2RP3001339//Homo sapiens mRNA for KIAA0451 protein, complete cds//6.3e-67:559:80//Hs.18586:
 20 AB007920
 F-NT2RP3001340//Homo sapiens hyperpolarization-activated channel 1 (IH1) mRNA, partial cds//0.00019:473:
 61//Hs.124161:AF065164
 F-NT2RP3001355//ESTs, Weakly similar to ADP,ATP CARRIER PROTEIN, LIVER ISOFORM T2 [H.sapiens]//
 1.1e-81:421:96//Hs.32508:H29831
 25 F-NT2RP3001356//Homo sapiens Nck-2 (NCK2) mRNA, complete cds//0.15:313:60//Hs.129725:AF047487
 F-NT2RP3001374//ESTs//0.98:269:59//Hs.125303:AA873022
 F-NT2RP3001383//Homo sapiens mRNA for Sck, partial cds//0.73:173:65//Hs.30965:AB001451
 F-NT2RP3001384//Homa sapiens mRNA for HRIHFB2018, partial cds//2.1e-158:743:98//Hs.146214:AB015332
 F-NT2RP3001392//ESTs//0.013:246:63//Hs.95111:AA514595
 30 F-NT2RP3001396//ESTs//5.6e-16:141:85//Hs.97664:H10783
 F-NT2RP3001398//Zinc finger protein 45 (a Kruppel-associated box (KRAB) domain polypeptide)//1.0e-05:189:
 66//Hs.41728:L75847
 F-NT2RP3001399//Homo sapiens mitochondrial citrate transport protein (CTP) mRNA, 3' end//0.77:132:66//Hs.
 111024:L77567
 35 F-NT2RP3001407//EST//0.015:167:65//Hs.42217:H96658
 F-NT2RP3001420//ESTs//1.0:214:60//Hs.91226:AA649047
 F-NT2RP3001426
 F-NT2RP3001427
 F-NT2RP3001428//Neurotrophic tyrosine kinase, receptor, type 1//1.8e-73:431:91//Hs.85844:X66397
 40 F-NT2RP3001432//ESTs, Moderately similar to !!!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens]//6.9e-
 05:195:65//Hs.115868:AA568393
 F-NT2RP3001447
 F-NT2RP3001449//RYANODINE RECEPTOR, SKELETAL MUSCLE//0.00033:187:68//Hs.89631:U48508
 F-NT2RP3001453//ESTs//0.020:260:60//Hs.97882:AA203212
 45 F-NT2RP3001457//ESTs//9.4e-29:165:94//Hs.71749:AA988323
 F-NT2RP3001459
 F-NT2RP3001472//Homo sapiens Sox-like transcriptional factor mRNA, complete cds//4.2e-10:168:70//Hs.32317:
 AF072836
 F-NT2RP3001490//ESTs//3.1e-35:198:94//Hs.163665:AA250877
 50 F-NT2RP3001495//ESTs//2.5e-47:239:98//Hs.128045:AA970231
 F-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds//
 2.8e-172:804:98//Hs.28285:AF064801
 F-NT2RP3001527//Human lymphoid-specific SP100 homolog (LYSP100-B) mRNA, complete cds//9.4e-139:743:
 91//Hs.85283:U36500
 55 F-NT2RP3001529//ESTs, Moderately similar to topoisomerase IC-terminal fragment [H.sapiens]//0.28:224:65//Hs.
 105912:AI431328
 F-NT2RP3001538//ESTs//4.1e-05:139:71//Hs.148425:AI198074
 F-NT2RP3001554//Microtubule-associated protein 1A//9.8e-16:327:64//Hs.147918:U38291

EP 1 074 617 A2

F-NT2RP3001580//Insulin-like growth factor binding protein 2//1.9e-06:426:59//Hs.162:X16302
 F-NT2RP3001587//Guanine nucleotide binding protein (G protein), alpha 11 (Gq class)//0.049:185:65//Hs.1686:
 M69013
 5 F-NT2RP3001589//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//9.6e-51:345:82//Hs.144563:
 AF057280
 F-NT2RP3001607//ESTs//1.3e-07:299:63//Hs.43231:N22688
 F-NT2RP3001608//ESTs//5.7e-14:85:98//Hs.161133:AI091349
 F-NT2RP3001621//ESTs//1.6e-106:310:96//Hs.128505:AA306435
 F-NT2RP3001629
 10 F-NT2RP3001634//Homo sapiens TRIAD1 type I mRNA, complete cds//1.4e-62:276:97//Hs.9899:AF099149
 F-NT2RP3001642//ESTs//1.0:148:63//Hs.159495:T70173
 F-NT2RP3001646
 F-NT2RP3001671//Homo sapiens mRNA for NS1-binding protein (NS1-BP)//1.1e-172:816:98//Hs.159597:
 AJ012449
 15 F-NT2RP3001672//ESTs//5.0e-16:138:82//Hs.151864:T69027
 F-NT2RP3001676//ESTs, Highly similar to GTP-BINDING PROTEIN LEPA [*Pseudomonas fluorescens*]/9.0e-53:
 375:85//Hs.41127:AA555184
 F-NT2RP3001678//Human mRNA for KIAA0233 gene, complete cds//0.21:321:65//Hs.79077:D87071
 F-NT2RP3001679//ESTs, Highly similar to HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III
 20 [*Caenorhabditis elegans*]/4.0e-111:518:99//Hs.20364:AI420022
 F-NT2RP3001688//Homo sapiens mRNA expressed in thyroid gland//1.0:230:63//Hs.7486:D83198
 F-NT2RP3001690//EST//0.15:291:59//Hs.162336:AA564329
 F-NT2RP3001698//ESTs//0.24:134:69//Hs.129551:AA885219
 F-NT2RP3001708//ESTs, Weakly similar to TWISTED GASTRULATION PROTEIN PRECURSOR [*D.mela-*
 25 *nogaster*]/1.4e-31:191:94//Hs.131279:AA486291
 F-NT2RP3001712//Human SLP-76 associated protein mRNA, complete cds//0.41:259:59//Hs.58435:AF001862
 F-NT2RP3001716//ESTs, Highly similar to BONE MORPHOGENETIC PROTEIN 1 PRECURSOR [*Mus musculus*]
 //7.6e-159:747:98//Hs.6823:W18181
 F-NT2RP3001724//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds//4.4e-161:
 30 565:97//Hs.159273:AF054177
 F-NT2RP3001727//ESTs, Highly similar to HYPOTHETICAL 37.7 KD PROTEIN ZK686.3 IN CHROMOSOME III
 [*Caenorhabditis elegans*]/3.5e-116:554:98//Hs.144332:AA046836
 F-NT2RP3001730//Human mRNA for KIAA0128 gene, partial cds//1.3e-105:811:78//Hs.90998:D50918
 F-NT2RP3001739
 35 F-NT2RP3001752//ELK1, member of ETS oncogene family//7.2e-35:299:80//Hs.116549:AL009172
 F-NT2RP3001753//Human putative cerebral cortex transcriptional regulator T-Brain-1 (Tbr-1) mRNA, complete
 cds//0.10:528:56//Hs.22138:U49250
 F-NT2RP3001764//Human protein-tyrosine phosphatase mRNA, complete cds//2.4e-47:725:64//Hs.41688:
 U27193
 40 F-NT2RP3001777//Human eukaryotic translation initiation factor (eIF3) mRNA, complete cds//0.42:198:61//Hs.
 57783:U78525
 F-NT2RP3001782//Homo sapiens mRNA for KIAA0459 protein, partial cds//9.1e-153:710:98//Hs.28169:
 AB007928
 F-NT2RP3001792//Human M4 protein mRNA, complete cds//5.6e-27:358:69//Hs.79024:L03532
 45 F-NT2RP3001799//ESTs//0.0088:178:64//Hs.134938:AI091361
 F-NT2RP3001819//Collagen, type IX, alpha 3//0.026:530:58//Hs.53563:L41162
 F-NT2RP3001844//Homo sapiens mRNA for hair keratin acidic 3-II//0.90:379:58//Hs.32950:X82634
 F-NT2RP3001854//ESTs//1.5e-100:501:96//Hs.72217:AA166729
 F-NT2RP3001855//Human homeobox-containing protein mRNA, complete cds//7.8e-35:481:67//Hs.158225:
 50 U68727
 F-NT2RP3001857//ESTs//2.7e-85:414:98//Hs.151001:AA564706
 F-NT2RP3001896//ESTs, Weakly similar to F20D12.3 gene product [*C.elegans*]/2.9e-94:452:98//Hs.54952:
 AA872675
 F-NT2RP3001898//Homo sapiens mRNA for synaptogyrin 1a//0.65:245:61//Hs.6139:AL022326
 55 F-NT2RP3001915//ESTs//1.1e-83:397:99//Hs.157125:AA723896
 F-NT2RP3001926//EST//0.53:362:57//Hs.127917:AA969185
 F-NT2RP3001929//ESTs//7.4e-16:141:82//Hs.138852:AA284247
 F-NT2RP3001931

F-NT2RP3001938//Cyclin-dependent kinase inhibitor 1C (p57, Kip2)//0.0022:268:61//Hs.106070:U22398
 F-NT2RP3001943//Homo sapiens mRNA for KIAA0675 protein, complete cds//5.8e-167:815:96//Hs.15869:
 AB014575
 F-NT2RP3001944//ESTs//0.00052:60:91//Hs.131731:AI339335
 5 F-NT2RP3001969
 F-NT2RP3001989//EST//0.00016:263:63//Hs.144096:AI032180
 F-NT2RP3002002//Small inducible cytokine A5 (RANTES)//4.0e-61:293:83//Hs.155464:AF088219
 F-NT2RP3002004//H.sapiens mRNA for FAST kinase//5.2e-28:104:100//Hs.75087:X86779
 F-NT2RP3002007//ESTs//0.025:88:69//Hs.163310:AA856946
 10 F-NT2RP3002014//ESTs//4.8e-70:291:98//Hs.123693:AA283821
 F-NT2RP3002033//Homo sapiens mRNA for HYA22, complete cds//0.021:175:67//Hs.147189:D88153
 F-NT2RP3002045//ESTs, Highly similar to ALPHA-ADAPTIN [M.musculus]//3.8e-48:353:81//Hs.127507:
 AA993745
 F-NT2RP3002054//ESTs, Weakly similar to KIAA0319 [H.sapiens]//3.0e-25:212:83//Hs.71622:AA195155
 15 F-NT2RP3002056//ESTs, Highly similar to RETINOBLASTOMA BINDING PROTEIN 1 [Homo sapiens]//4.2e-82:
 407:97//Hs.131888:AI091806
 F-NT2RP3002057//Human Line-1 repeat mRNA with 2 open reading frames//3.7e-21:168:85//Hs.23094:M19503
 F-NT2RP3002062//EST//0.46:198:62//Hs.157711:AI359710
 F-NT2RP3002063//Membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)//
 20 0.91:194:65//Hs.1298:J03779
 F-NT2RP3002081
 F-NT2RP3002097//Homo sapiens proline and glutamic acid rich nuclear protein isoform mRNA partial cds//0.073:
 297:61//Hs.102732:U88153
 F-NT2RP3002102//EST//2.8e-16:237:67//Hs.136255:T70256
 25 F-NT2RP3002108
 F-NT2RP3002142//ESTs//4.3e-138:654:98//Hs.5729:AA306018
 F-NT2RP3002146//H.sapiens mRNA for RanGTPase activating protein 1//0.27:276:62//Hs.5923:X82260
 F-NT2RP3002147//Human DNA sequence from clone 431H6 on chromosome 16. Contains a novel gene with
 some homology to mouse HN1 (Hematological and Neurological expressed sequence 1) downstream of a putative
 30 CpG island. Contains ESTs and GSSs//6.0e-51:204:99//Hs.107256:AL031009
 F-NT2RP3002151//G1 to S phase transition 1//2.6e-37:292:81//Hs.2707:X17644
 F-NT2RP3002163//Human DNA fragmentation factor-45 mRNA, complete cds//0.46:224:60//Hs.155344:U91985
 F-NT2RP3002165//ESTs, Highly similar to TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP [Mus musculus]
 //3.0e-61:340:93//Hs.11379:AA594140
 35 F-NT2RP3002166//EST//0.039:114:69//Hs.140335:AA737046
 F-NT2RP3002173//ESTs, Weakly similar to HYPOTHETICAL 92.1 KD PROTEIN ZK1098.3 IN CHROMOSOME
 III [Caenorhabditis elegans]//4.0e-39:255:72//Hs.141429:AA631915
 F-NT2RP3002181//ESTs//3.6e-111:518:99//Hs.128505:AA30643
 F-NT2RP3002244//Myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic1)//0.98:
 40 242:57//Hs.114001:Z20656
 F-NT2RP3002248
 F-NT2RP3002255//ESTs//8.4e-19:227:75//Hs.122817:AA772261
 F-NT2RP3002273//Homo sapiens homeobox protein A10 (HOXA10) gene, complete cds//0.42:189:62//Hs.
 110637:AC004080
 45 F-NT2RP3002276//ESTs//8.2e-97:463:98//Hs.45120:AA225139
 F-NT2RP3002303//ESTs//7.1e-10:96:87//Hs.135700:AA989386
 F-NT2RP3002304//Protein phosphatase 1, catalytic subunit, beta isoform//1.3e-05:496:60//Hs.21537:X80910
 F-NT2RP3002330//ESTs//1.3e-81:482:90//Hs.121460:AA744871
 F-NT2RP3002343//Homo sapiens potassium channel mRNA, complete cds//0.30:462:56//Hs.143624:AF033383
 50 F-NT2RP3002351//NAD-DEPENDENT METHYLENETETRAHYDROFOLATE DEHYDROGENASE//1.6e-65:
 588:75//Hs.154672:X16396
 F-NT2RP3002352//Homo sapiens mRNA for protein encoded by cxorf5 (71-7A) gene//4.2e-166:770:98//Hs.6483:
 Y16355
 F-NT2RP3002377//Homo sapiens mRNA for KIAA0788 protein, partial cds//7.5e-161:911:89//Hs.2397:Z70200
 55 F-NT2RP3002399
 F-NT2RP3002402//ESTs, Weakly similar to F02E9.6 [C.elegans]//4.3e-41:233:94//Hs.22880:AA056274
 F-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds//3.9e-140:649:99//Hs.12707:
 AB014578

EP 1 074 617 A2

F-NT2RP3002484//ESTs//0.95:166:63//Hs.149993:AI291310
 F-NT2RP3002501//ESTs//0.92:43:90//Hs.119314:AA432108
 F-NT2RP3002512//Homo sapiens mRNA for KIAA0466 protein, partial cds//1.0:173:61//Hs.81234:AB007935
 F-NT2RP3002529//Human vacuolar protein sorting homolog h-vps45 mRNA, complete cds//4.4e-146:763:93//Hs.
 5 57738:U35246
 F-NT2RP3002545//Homo sapiens mRNA for KIAA0729 protein, partial cds//5.9e-180:833:98//Hs.19542:
 AB018272
 F-NT2RP3002549//ESTs, Weakly similar to POLYPOSIS LOCUS PROTEIN 1 [H.sapiens]//1.3e-42:510:70//Hs.
 96759:AA469984
 10 F-NT2RP3002566//Carnitine acetyltransferase//0.032:226:62//Hs.12068:X78706
 F-NT2RP3002587//EST//4.8e-31:330:74//Hs.139415:AA426054
 F-NT2RP3002590//EST//1.3e-40:202:100//Hs.144716:AI187919
 F-NT2RP3002602//RYANODINE RECEPTOR, SKELETAL MUSCLE//1.3e-06:280:63//Hs.89631:U48508
 F-NT2RP3002603
 15 F-NT2RP3002628//Homo sapiens mRNA for MSJ-1, complete cds//1.5e-05:264:61//Hs.3845:AB014888
 F-NT2RP3002631//Homo sapiens ADAM 21 mRNA, partial cds//0.97:320:58//Hs.121287:AF029900
 F-NT2RP3002650//Homo sapiens mRNA for cartilage-associated protein (CASP)//2.6e-13:441:63//Hs.155481:
 AJ006470
 F-NT2RP3002659//Human TAR RNA loop binding protein (TRP-185) mRNA, complete cds//1.7e-05:615:58//Hs.
 20 151518:U38847
 F-NT2RP3002660//ESTs//2.9e-32:164:100//Hs.152982:AA584308
 F-NT2RP3002663//ESTs, Highly similar to OXYSTEROL-BINDING PROTEIN [Homo sapiens]//4.1e-38:493:70//
 Hs.41086:AI337400
 F-NT2RP3002671//ESTs//3.7e-05:288:59//Hs.161359:AI421991
 25 F-NT2RP3002682//ESTs, Weakly similar to F17C11.8 [C.elegans]//1.6e-61:294:100//Hs.128750:AI367584
 F-NT2RP3002687
 F-NT2RP3002688//EST//1.0:312:58//Hs.156800:AI352200
 F-NT2RP3002701//EST//0.00083:55:87//Hs.159750:AI393657
 F-NT2RP3002713//ESTs//0.93:229:61//Hs.150459:AI279514
 30 F-NT2RP3002763//ESTs//1.7e-97:419:96//Hs.121593:W86291
 F-NT2RP3002770//Homo sapiens G protein-coupled receptor kinase 6 (GRK6) gene, partial cds//0.91:161:62//
 Hs.129736:AF040753
 F-NT2RP3002785
 F-NT2RP3002799//EST//1.7e-17:199:73//Hs.118694:AA148713
 35 F-NT2RP3002810//ESTs, Weakly similar to KIAA0062 [H.sapiens]//1.4e-76:423:93//Hs.41068:AA844350
 F-NT2RP3002818//Homo sapiens jerky gene product homolog mRNA, complete cds//2.2e-55:615:70//Hs.105940:
 AF004715
 F-NT2RP3002861//ESTs//1.1e-88:468:94//Hs.159821:AA524070
 F-NT2RP3002869//ESTs//3.4e-23:132:97//Hs.148873:T33582
 40 F-NT2RP3002876//Homo sapiens mRNA for B120, complete cds//2.7e-90:557:88//Hs.123090:AB001895
 F-NT2RP3002877//ESTs//1.1e-19:160:84//Hs.118273:AA626040
 F-NT2RP3002909//Homo sapiens mRNA for KIAA0771 protein, partial cds//1.8e-181:853:98//Hs.6162:AB018314
 F-NT2RP3002911//ESTs//2.8e-07:160:70//Hs.140402:AI138765
 F-NT2RP3002948//ESTs, Highly similar to RING CANAL PROTEIN [Drosophila melanogaster]//1.4e-133:645:97//
 45 Hs.3826:U69560
 F-NT2RP3002953//Homo sapiens mRNA for KIAA0588 protein, complete cds//5.2e-13:594:57//Hs.74599:
 AB011160
 F-NT2RP3002955//Homo sapiens mRNA for KIAA0719 protein, complete cds//0.76:412:57//Hs.21198:AB018262
 F-NT2RP3002969//EST//3.7e-50:272:94//Hs.162331:AA563870
 50 F-NT2RP3002972//Homo sapiens PAC clone DJ130H16 from 22q12.1-qter//5.1e-35:361:75//Hs.8003:AC004997
 F-NT2RP3002978//ESTs//2.8e-46:253:95//Hs.151924:AI287703
 F-NT2RP3002985//Human TFIIIB related factor hBRF (HBRF) mRNA, complete cds//0.071:550:58//Hs.32935:
 U28838
 F-NT2RP3002988//EST//0.0016:180:63//Hs.147632:AI218308
 55 F-NT2RP3003008//Human DNA-binding protein (HRC1) mRNA, complete cds//0.59:201:63//Hs.72925:M91083
 F-NT2RP3003032//ESTs//9.1e-40:241:92//Hs.113363:C06446
 F-NT2RP3003059//ESTs//0.0015:399:58//Hs.136895:AA897749
 F-NT2RP3003061//Ankyrin 1, erythrocytic//4.5e-14:633:59//Hs.1242:X16609

EP 1 074 617 A2

F-NT2RP3003068//EST//0.00014:80:83//Hs.121993:AA777928
 F-NT2RP3003071//ESTs//1.1e-62:315:98//Hs.16141:W56079
 F-NT2RP3003078
 F-NT2RP3003101
 5 F-NT2RP3003121//EST, Moderately similar to !!!! ALU SUBFAMILY. SC WARNING ENTRY !!!! [H.sapiens]//0.98:88:68//Hs.99715:AA292700
 F-NT2RP3003133//EST//8.0e-17:218:68//Hs.134815:AI090740
 F-NT2RP3003138//Homo sapiens vasopressin-activated calcium mobilizing putative receptor protein (VACM-1) mRNA, complete cds//0.013:438:57//Hs.101299:AF017061
 10 F-NT2RP3003139//ESTs//0.020:260:61//Hs.59142:W88975
 F-NT2RP3003145//Homo sapiens aortic carboxypeptidase-like protein ACLP mRNA, complete cds//2.2e-20:430:63//Hs.118397:AF053944
 F-NT2RP3003150
 F-NT2RP3003157//Human repressor transcriptional factor (ZNF85) mRNA, complete cds//2.0e-72:894:68//Hs.37138:U35376
 15 F-NT2RP3003185//Homo sapiens mRNA for KIAA0521 protein, partial cds//0.045:410:59//Hs.6150:AB011093
 F-NT2RP3003193//Zinc finger protein 10 (KOX 1)//2.4e-74:737:71//Hs.2479:X78933
 F-NT2RP3003197//ESTs//1.8e-24:130:100//Hs.162504:AA668211
 F-NT2RP3003203//ESTs//3.5e-30:232:82//Hs.6880:W26854
 20 F-NT2RP3003204//ESTs//3.1e-109:524:98//Hs.152982:AA584308
 F-NT2RP3003210//ESTs//3.6e-16:113:91//Hs.121030:AA625325
 F-NT2RP3003212//EST//1.0e-52:500:74//Hs.161635:W22525
 F-NT2RP3003230//Human mRNA for actin binding protein p57, complete cds//6.0e-55:587:70//Hs.109606:D44497
 25 F-NT2RP3003242//Homo sapiens stannocalcin-2 (STC-2) mRNA, complete cds//1.2e-129:617:98//Hs.155223:AF055460
 F-NT2RP3003251//H.sapiens Staf50 mRNA//1.1e-68:651:76//Hs.68054:X82200
 F-NT2RP3003264//Human bullous 230 kDa pemphigoid antigen (BPAG1) mRNA, complete cds//0.069:382:59//Hs.620:M69225
 30 F-NT2RP3003278//Homo sapiens hook2 protein (HOOK2) mRNA, complete cds//0.98:261:59//Hs.30792:AF044924
 F-NT2RP3003282//Homo sapiens dynamin (DNM) mRNA, complete cds//4.2e-133:694:93//Hs.11702:L36983
 F-NT2RP3003290//Human mRNA for RTP, complete cds//6.3e-66:662:71//Hs.75789:D87953
 F-NT2RP3003301//EST//1.0:58:74//Hs.158575:AI368947
 35 F-NT2RP3003302//Human Line-1 repeat mRNA with 2 open reading frames//3.1e-91:681:80//Hs.23094:M19503
 F-NT2RP3003311//ESTs//0.95:308:59//Hs.27308:AA534947
 F-NT2RP3003313//ESTs//0.0016:345:61//Hs.143304:AI084058
 F-NT2RP3003327//H.sapiens Staf50 mRNA//8.0e-31:253:67//Hs.68054:X82200
 F-NT2RP3003330
 40 F-NT2RP3003344
 F-NT2RP3003346//H.sapiens mRNA for delta 4-3-oxosteroid 5 beta-reductase//1.2e-42:644:66//Hs.2638:Z28339
 F-NT2RP3003353//Breast cancer 1, early onset//0.30:145:67//Hs.66746:L78833
 F-NT2RP3003377//Human mRNA for cadherin-15, complete cds//0.019:416:60//Hs.148090:D83542
 F-NT2RP3003384//ESTs//1.1e-65:346:96//Hs.35012:R92791
 45 F-NT2RP3003385//ESTs, Highly similar to SKD3 [M.musculus]//7.0e-74:384:96//Hs.21263:H16363
 F-NT2RP3003403//ESTs//4.9e-12:335:63//Hs.87258:AA463850
 F-NT2RP3003409//Human DHHC-domain-containing cysteine-rich protein mRNA, complete cds//3.2e-22:430:63//Hs.113272:U90653
 F-NT2RP3003411//Human metallothionein-Ie gene (hMT-Ie)//0.99:116:62//Hs.74170:M10942
 50 F-NT2RP3003427//ESTs//0.24:447:61//Hs.160907:AI422830
 F-NT2RP3003433//Protein tyrosine phosphatase, non-receptor type 12//1.0:243:61//Hs.62:M93425
 F-NT2RP3003464//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//1.7e-182:853:98//Hs.14934:AF004828
 F-NT2RP3003490//Homo sapiens mRNA for KIAA0725 protein, partial cds//5.2e-175:826:98//Hs.26450:AB018268
 55 F-NT2RP3003491//Ryanodine receptor 2 (cardiac)//1.0:148:66//Hs.90821:X98330
 F-NT2RP3003500//ESTs//0.86:211:62//Hs.136037:AA013302
 F-NT2RP3003543//Homo sapiens clone 23790 unknown protein mRNA, complete cds//0.64:626:58//Hs.150828:

AF038169
 F-NT2RP3003552
 F-NT2RP3003555//ESTs//1.4e-12:81:98//Hs.144487:AI418322
 F-NT2RP3003564//EST//4.5e-08:186:69//Hs.116769:AA630365
 5 F-NT2RP3003572//EST//0.27:105:69//Hs.162134:AA526311
 F-NT2RP3003576//ESTs//1.2e-57:277:84//Hs.138852:AA284247
 F-NT2RP3003589//RAS-RELATED PROTEIN RAB-8//6.3e-38:373:73//Hs.123109:X56741
 F-NT2RP3003621//HEPATOCYTE GROWTH FACTOR ACTIVATOR PRECURSOR//8.0e-09:564:61//Hs.104:
 D14012
 10 F-NT2RP3003625
 F-NT2RP3003656
 F-NT2RP3003659
 F-NT2RP3003665//ESTs//0.015:221:62//Hs.153705:AA527586
 F-NT2RP3003672//ESTs//0.70:351:57//Hs.27633:N76184
 15 F-NT2RP3003680//Human Bcl2, p53 binding protein Bbp/53BP2 (BBP/53BP2) mRNA, complete cds//0.013:190:
 63//Hs.44585:U58334
 F-NT2RP3003686//Homo sapiens clone 24519 unknown mRNA, partial cds//0.69:246:62//Hs.118463:AF055000
 F-NT2RP3003701//EST//0.93:79:69//Hs.145285:AI249848
 F-NT2RP3003716//Homo sapiens KIAA0405 mRNA, complete cds//8.3e-24:478:61//Hs.48998:AB007865
 20 F-NT2RP3003726//Homo sapiens mRNA for KIAA0757 protein, complete cds//7.4e-150:700:98//Hs.48513:
 AB018300
 F-NT2RP3003746
 F-NT2RP3003795//ESTs//7.1e-20:228:74//Hs.159571:AA54230
 F-NT2RP3003799
 25 F-NT2RP3003800//Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog//4.7e-41:432:73//Hs.1422:
 M19722
 F-NT2RP3003805//Myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)//0.98:
 242:57//Hs.114001:Z20656
 F-NT2RP3003809//Human transcription factor, forkhead related activator 4 (FREAC-4) mRNA, complete cds//
 5.1e-07:624:59//Hs.96028:AF042832
 30 F-NT2RP3003819//Human ring zinc-finger protein (ZNF127-Xp) gene and 5' flanking sequence//0.84:171:63//Hs.
 102877:U41315
 F-NT2RP3003825
 F-NT2RP3003828//ESTs//2.1e-12:434:61//Hs.156864:AI346481
 35 F-NT2RP3003831
 F-NT2RP3003833//Homo sapiens clones 24718 and 24825 mRNA sequence//2.6e-48:242:98//Hs.25300:
 AF070611
 F-NT2RP3003842//Integrin, beta 8//1.0:345:60//Hs.832:M73780
 F-NT2RP3003846//Homo sapiens mRNA for KIAA0725 protein, partial cds//1.3e-37:335:68//Hs.26450:AB018268
 40 F-NT2RP3003870//Homo sapiens mRNA for KIAA0800 protein, complete cds//1.3e-175:805:99//Hs.118738:
 AB018343
 F-NT2RP3003876//ESTs, Highly similar to Rabin3 [R.norvegicus]//6.8e-39:243:90//Hs.124832:AA846576
 F-NT2RP3003914//ESTs, Weakly similar to UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE
 PRECURSOR [D.melanogaster]//1.1e-107:499:99//Hs.105794:AA701659
 45 F-NT2RP3003918//Homo sapiens VAMP-associated protein of 33 kDa (VAP-33) mRNA, complete cds//8.3e-49:
 404:77//Hs.9006:AF057358
 F-NT2RP3003932//ESTs//0.94:278:58//Hs.15661:W02396
 F-NT2RP3003989//ESTs//1.0:174:64//Hs.8095:AI359006
 F-NT2RP3003992//Cyclic nucleotide gated channel (photoreceptor), cGMP gated 2 (beta)//0.00070:433:58//Hs.
 50 93909:AF042498
 F-NT2RP3004013//ESTs, Moderately similar to M-phase phosphoprotein 4 [H.sapiens]//2.8e-127:617:97//Hs.
 142151:AA984061
 F-NT2RP3004016//Human p300/CBP-associated factor (P/CAF) mRNA, complete cds//0.0086:283:62//Hs.
 155302:U57317
 55 F-NT2RP3004041//EST//0.98:264:58//Hs.127552:AA953234
 F-NT2RP3004051//Human mRNA for KIAA0319 gene, complete cds//7.0e-63:774:67//Hs.26441:AB002317
 F-NT2RP3004070//EST//6.8e-22:163:85//Hs.132635:AI032875
 F-NT2RP3004078//Regulatory factor (trans-acting) 2 (influences HLA class II expression)//5.3e-90:520:90//Hs.

100007:X76091
 F-NT2RP3004093
 F-NT2RP3004095//Human clone 23732 mRNA, partial cds//3.3e-27:372:69//Hs.81281:U79258
 F-NT2RP3004110//Human mRNA for KIAA0392 gene, partial cds//1.2e-20:211:77//Hs.40100:AB002390
 5 F-NT2RP3004125//ESTs, Highly similar to OOCYTE ZINC FINGER PROTEIN XLCOF7.1 [Xenopus laevis]//1.0e-126:590:99//Hs.129888:AI096509
 F-NT2RP3004145
 F-NT2RP3004148
 F-NT2RP3004155//Homo sapiens timing protein CLK-1 mRNA, complete cds//2.1e-121:578:98//Hs.157113:
 10 AF032900
 F-NT2RP3004189//ESTs//1.3e-80:409:97//Hs.151001:AA564706
 F-NT2RP3004206//Human mRNA for stac, complete cds//1.0:245:60//Hs.56045:D86640
 F-NT2RP3004207//Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)//0.095:281:62//Hs.101047:M31523
 15 F-NT2RP3004209//ESTs//5.8e-87:458:94//Hs.155303:AI221835
 F-NT2RP3004215//ESTs//0.074:56:80//Hs.163590:H43361
 F-NT2RP3004242
 F-NT2RP3004246//EST//0.20:219:63//Hs.161920:AA483240
 F-NT2RP3004253//ESTs//1.2e-36:204:96//Hs.143588:AI149140
 20 F-NT2RP3004258//Human gene for neurofilament subunit M (NF-M)//7.2e-07:369:59//Hs.71346:Y00067
 F-NT2RP3004262//Homo sapiens heat shock protein hsp40-3 mRNA, complete cds//1.0e-154:733:98//Hs.158471:AF088982
 F-NT2RP3004282//Homo sapiens torsinA (DYT1) mRNA, complete cds//4.2e-26:597:61//Hs.19261:AF007871
 F-NT2RP3004332
 25 F-NT2RP3004334//ESTs//8.8e-27:142:99//Hs.28068:H06285
 F-NT2RP3004341//EST//0.0068:213:64//Hs.153208:X98426
 F-NT2RP3004348//ESTs//1.2e-18:126:93//Hs.58595:AA830999
 F-NT2RP3004349//ESTs, Weakly similar to HYPOTHETICAL 92.1 KD PROTEIN ZK1098.3 IN CHROMOSOME III [Caenorhabditis elegans]//3.9e-45:337:83//Hs.141429:AA631915
 30 F-NT2RP3004378//ESTs, Weakly similar to weak similarity to procollagen alpha chain 1(V) chain [C.elegans]//4.3e-125:608:98//Hs.128781:AA160707
 F-NT2RP3004399//H.sapiens mRNA for leucine-rich primary response protein 1//2.3e-141:804:90//Hs.123122:X97249
 F-NT2RP3004424//ESTs, Weakly similar to JTV-1 [H.sapiens]//3.2e-122:609:96//Hs.20132:AA203113
 35 F-NT2RP3004428//Homo sapiens ALR mRNA, complete cds//0.00044:458:60//Hs.153638:AF010403
 F-NT2RP3004451//Bone morphogenetic protein 8 (osteogenic protein 2)//0.00023:357:59//Hs.99948:M97016
 F-NT2RP3004454//Homo sapiens mRNA for KIAA0448 protein, complete cds//2.0e-124:583:99//Hs.27349:AB007917
 F-NT2RP3004466//Homo sapiens mRNA for KIAA0664 protein, partial cds//0.48:399:58//Hs.22616:AB014564
 40 F-NT2RP3004470//EST//1.3e-56:331:91//Hs.136830:AA769219
 F-NT2RP3004472
 F-NT2RP3004475//Homo sapiens mRNA for KIAA0456 protein, partial cds//9.8e-152:715:98//Hs.5003:AB007925
 F-NT2RP3004480//ESTs, Highly similar to VACUOLAR SORTING PROTEIN 35 [Saccharomyces cerevisiae]//4.6e-118:547:99//Hs.124768:AA307735
 45 F-NT2RP3004490//Homo sapiens mRNA for Musashi, complete cds//2.3e-156:752:97//Hs.158311:AB012851
 F-NT2RP3004498//ESTs, Moderately similar to ROSA26AS [M.musculus]//3.5e-89:425:99//Hs.126082:AI077718
 F-NT2RP3004503//EST//5.3e-49:399:81//Hs.162335:AA564256
 F-NT2RP3004504//Homo sapiens mRNA for KIAA0479 protein, partial cds//1.0:370:59//Hs.158244:AB007948
 F-NT2RP3004507//Human zinc finger protein (MAZ) mRNA//0.86:129:66//Hs.7647:M94046
 50 F-NT2RP3004527//EST//0.053:260:62//Hs.123314:AA810110
 F-NT2RP3004534//ESTs//3.5e-78:370:99//Hs.132808:AI031571
 F-NT2RP3004539//Homo sapiens mRNA for KIAA0632 protein, partial cds//2.7e-146:679:98//Hs.75970:AB014532
 F-NT2RP3004544//Homo sapiens mRNA for KIAA0554 protein, partial cds//9.1e-171:793:98//Hs.74750:AB011126
 55 F-NT2RP3004566//ESTs, Highly similar to ZINC FINGER PROTEIN MLZ-4 [Mus musculus]//2.2e-66:362:94//Hs.125870:AI364967
 F-NT2RP3004569

EP 1 074 617 A2

F-NT2RP3004572//Homo sapiens cofactor of initiator function (CIF50) mRNA, complete cds//3.3e-181:860:97//
Hs.122752:AF026445
F-NT2RP3004578//Homo sapiens mRNA for KIAA0454 protein, partial cds//4.0e-85:422:97//Hs.129928:
AB007923
5 F-NT2RP3004594//Homo sapiens mRNA for AND-1 protein//3.7e-160:796:95//Hs.72160:AJ006266
F-NT2RP3004617//ESTs, Weakly similar to estrogen-responsive finger protein, efp [H.sapiens]//6.4e-13:356:64//
Hs.124138:AI266336
F-NT2RP3004618//ESTs//1.5e-42:481:70//Hs.130768:AA909232
F-NT2RP3004669//Human plectin (PLEC1) mRNA, complete cds//0.0099:538:56//Hs.79706:U53204
10 F-NT2RP3004670//Homo sapiens sox1 gene//0.11:311:58//Hs.144029:Y13436
F-NT2RP4000008//ESTs, Highly similar to CHLORINE CHANNEL PROTEIN P64 [Bos taurus]//8.0e-177:827:98//
Hs.118991:AA675919
F-NT2RP4000023//ESTs//1.4e-33:182:96//Hs.122722:AA455668
F-NT2RP4000035//ESTs//1.1e-23:283:72//Hs.142147:AA706495
15 F-NT2RP4000049//Homo sapiens decoy receptor 2 mRNA, complete cds//6.8e-83:556:85//Hs.129844:AF029761
F-NT2RP4000051//Homo sapiens mRNA for cartilage-associated protein (CASP)//4.9e-13:441:62//Hs.155481:
AJ006470
F-NT2RP4000078//Homo sapiens mRNA for NS1-binding protein (NS1-BP)//8.0e-151:720:97//Hs.159597:
AJ012449
20 F-NT2RP4000102//ESTs//8.8e-33:184:82//Hs.93054:H47743
F-NT2RP4000109//Homo sapiens mRNA for MEGF5, partial cds//1.4e-167:774:99//Hs.57929:AB011538
F-NT2RP4000111
F-NT2RP4000129//Homo sapiens mRNA for KIAA0483 protein, partial cds//1.1e-115:548:98//Hs.64691:
AB007952
25 F-NT2RP4000147//Human mRNA for KIAA0041 gene, partial cds//0.00045:212:63//Hs.75520:D26069
F-NT2RP4000150
F-NT2RP4000151//Homo sapiens chromosome 7q22 sequence//0.98:431:59//Hs.3386:AF053356
F-NT2RP4000159
F-NT2RP4000167
30 F-NT2RP4000185//ESTs//1.1e-51:240:68//Hs.33020:N31946
F-NT2RP4000210//Homo sapiens mRNA for KIAA0700 protein, partial cds//1.6e-175:825:98//Hs.13999:
AB014600
F-NT2RP4000212//ESTs//1.6e-10:74:95//Hs.111885:AA422006
F-NT2RP4000214//ESTs//3.9e-11:225:68//Hs.59793:AA451731
35 F-NT2RP4000218//Human G protein-coupled receptor (STRL22) mRNA, complete cds//6.2e-34:425:71//Hs.
46468:U45984
F-NT2RP4000243//Homo sapiens mRNA for cartilage-associated protein (CASP)//8.6e-158:771:97//Hs.155481:
AJ006470
F-NT2RP4000246//ESTs, Highly similar to NPC DERIVED PROLINE RICH PROTEIN 1 [M.musculus]//1.9e-62:
40 384:89//Hs.115498:AA436298
F-NT2RP4000259//Homo sapiens clone 683 unknown mRNA, complete sequence//9.4e-130:604:99//Hs.43728:
AF091092
F-NT2RP4000263
F-NT2RP4000290//EST//1.0:149:63//Hs.136928:AA812580
45 F-NT2RP4000312//Human mRNA for KIAA0147 gene, partial cds//1.5e-42:685:63//Hs.158132:D63481
F-NT2RP4000321//Homo sapiens gene for insulin receptor substrate-2, complete cds//8.6e-05:547:57//Hs.
143648:AB000732
F-NT2RP4000323//Human HCF1 gene related mRNA sequence//0.48:589:58//Hs.83634:U52112
F-NT2RP4000355
50 F-NT2RP4000360//Homo sapiens mRNA for KIAA0738 protein, complete cds//6.4e-142:654:99//Hs.107479:
AB018281
F-NT2RP4000367//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds//8.5e-
137:649:97//Hs.31323:AF044195
F-NT2RP4000370//ESTs, Weakly similar to MITOCHONDRIAL PEPTIDE CHAIN RELEASE FACTOR 1 PRECUR-
55 SOR [S.cerevisiae]//1.2e-09:157:76//Hs.97950:AI382073
F-NT2RP4000376//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 2//
0.098:291:59//Hs.994:M95678
F-NT2RP4000381//Myosin, heavy polypeptide 7, cardiac muscle, beta//0.00025:509:59//Hs.929:M57965

- F-NT2RP4000398//Zinc finger protein 140 (clone pHZ-39)//4.9e-60:469:68//Hs.154205:U09368
 F-NT2RP4000415//ESTs//0.85:89:67//Hs.152312:AA485688
 F-NT2RP4000417//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds//0.014:178:66//Hs.125315:AF027156
 5 F-NT2RP4000424//Human G protein-coupled receptor (STRL22) mRNA, complete cds//2.0e-34:431:73//Hs.46468:U45984
 F-NT2RP4000448//Human mRNA for KIAA0118 gene, partial cds//1.9e-37:360:75//Hs.154326:D42087
 F-NT2RP4000449//EST//0.84:113:65//Hs.145274:AI249468
 F-NT2RP4000455//ALPHA-2C-1 ADRENERGIC RECEPTOR//0.063:221:61//Hs.123022:J03853
 10 F-NT2RP4000457//H.sapiens mRNA for herpesvirus associated ubiquitin-specific protease (HAUSP)//1.1e-05:532:57//Hs.78683:Z72499
 F-NT2RP4000480//Homo sapiens mRNA, complete cds//0.056:655:60//Hs.133151:AB001535
 F-NT2RP4000481//Human mRNA for KIAA0268 gene, partial cds//0.46:272:58//Hs.78862:D87742
 F-NT2RP4000498//Human DNA binding protein FKHL15 (FKHL15) mRNA, complete cds//0.94:133:69//Hs.159234:U89995
 15 F-NT2RP4000500//V-myb avian myeloblastosis viral oncogene homolog-like 2//0.60:335:61//Hs.74605:X13293
 F-NT2RP4000515//ESTs//2.9e-45:253:95//Hs.104898:AA429594
 F-NT2RP4000517//EST//0.043:131:64//Hs.99030:AA443904
 F-NT2RP4440518//Homo sapiens mRNA for ATP-dependent RNA helicase, partial//2.0e-34:203:93//Hs.99423:AJ010840
 20 F-NT2RP4000519//Human mRNA for KIAA0374 gene, complete cds//0.33:154:66//Hs.100837:AB002372
 F-NT2RP4000524
 F-NT2RP4000528
 F-NT2RP4000541//ESTs//2.1e-51:251:99//Hs.157240:AI348154
 25 F-NT2RP4000556//ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L11 [R.norvegicus]//1.1e-27:162:93//Hs.25597:H93026
 F-NT2RP4000560//ESTs//2.5e-09:181:66//Hs.122609:AA778351
 F-NT2RP4000588//ESTs//1.4e-46:533:70//Hs.8836:AA181053
 F-NT2RP4000614//Homo sapiens TLS-associated protein TASR-2 mRNA, complete cds//1.0e-139:666:98//Hs.4214:AF067730
 30 F-NT2RP4000638//Fibroblast growth factor 2 (basic)//1.0:226:61//Hs.56066:J04513
 F-NT2RP4000648//ESTs//2.5e-11:116:80//Hs.115449:AA418396
 F-NT2RP4000657//Homo sapiens bone morphogenetic protein 11 (BMP11) mRNA, complete cds//0.00056:367:60//Hs.144626:AF100907
 35 F-NT2RP4000704//Homo sapiens mRNA expressed in 19week fetal lung, clone IMAGE:300856//8.0e-167:676:98//Hs.50748:AB004848
 F-NT2RP4000713//Homo sapiens N-methyl-D-aspartate receptor 2D subunit precursor (NMDAR2D) mRNA, complete cds//6.9e-07:494:61//Hs.113286:U77783
 F-NT2RP4000724//ESTs, Weakly similar to pol/env ORF [H.sapiens]//2.8e-46:411:78//Hs.111817:T80622
 40 F-NT2RP4000728//Homo sapiens mRNA for KIAA0606 protein, partial cds//9.9e-43:350:71//Hs.38176:AB011178
 F-NT2RP4000737//Human mRNA for KIAA0252 gene, partial cds//0.97:409:60//Hs.83419:D87440
 F-NT2RP4000739//DESMOPLAKIN I AND II//0.99:192:63//Hs.74316:AL031058
 F-NT2RP4000781//Homo sapiens mRNA for APC 2 protein, complete cds//0.023:351:60//Hs.20912:AB012162
 F-NT2RP4000787//Human mRNA for ESP1/CRP2, complete cds//0.0051:276:58//Hs.70327:D42123
 45 F-NT2RP4000817//Homo sapiens mRNA for KIAA0470 protein, complete cds//4.8e-176:816:98//Hs.25132:AB007939
 F-NT2RP4000833//Homo sapiens PAC clone DJ0905J08 from 7p12-p14//1.3e-93:438:99//Hs.8173:AC005189
 F-NT2RP4000837//Homo sapiens SALL1 gene, partial//5.9e-05:470:59//Hs.123094:X98833
 F-NT2RP4000839//ESTs//5.7e-11:133:82//Hs.103852:W27603
 50 F-NT2RP4000855//Homo sapiens DNA-binding protein (CROC-1B) mRNA, complete cds//1.4e-37:680:63//Hs.75875:U49278
 F-NT2RP4000865//Zinc finger protein 136 (clone pHZ-20)//2.0e-96:415:78//Hs.69740:U09367
 F-NT2RP4000878//ESTs//2.7e-16:390:63//Hs.163451:AI206803
 F-NT2RP4000879//ESTs//0.89:184:64//Hs.122333:AA782843
 55 F-NT2RP4000907//Homo sapiens BAC clone RG118D07 from 7q31//4.5e-52:933:61//Hs.3781:AC004142
 F-NT2RP4000915//Homo sapiens mRNA for ZNF198 protein//3.0e-80:584:78//Hs.109526:AJ224901
 F-NT2RP4000918
 F-NT2RP4000925//Homo sapiens KIAA0405 mRNA, complete cds//1.9e-47:861:61//Hs.48998:AB007865

- F-NT2RP4000927//ESTs//0.37:159:63//Hs.147949:AI341503
 F-NT2RP4000928//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds//1.1e-164:781:97//
 Hs.24812:AF069532
 F-NT2RP4000929//ESTs//0.88:284:60//Hs.141317:AI281371
 5 F-NT2RP4000955//Human mRNA for cadherin-15, complete cds//0.0019:495:58//Hs.148090:D83542
 F-NT2RP4000973//Homo sapiens mRNA for MSJ-1, complete cds//1.2e-05:318:60//Hs.3845:AB014888
 F-NT2RP4000975//ESTs//0.0051:345:61//Hs.143304:AI084058
 F-NT2RP4000979
 F-NT2RP4000984
 10 F-NT2RP4000989//Homo sapiens Tax interaction protein 1 mRNA, partial cds//0.85:257:63//Hs.12956:U90913
 F-NT2RP4000996//ESTs//4.3e-10:329:62//Hs.33085:AA258068
 F-NT2RP4000997//Human plectin (PLEC1) mRNA, complete cds//1.0:218:58//Hs.79706:U53204
 F-NT2RP4001004
 F-NT2RP4001006//ESTs, Moderately similar to ROSA26AS [M.musculus]//7.4e-90:425:99//Hs.126082:AI077718
 15 F-NT2RP4001010//Homo sapiens PSD-95/SAP90-associated protein-2 mRNA, partial cds//2.8e-19:689:61//Hs.
 113287:AF009204
 F-NT2RP4001029//Human transcription factor LSF mRNA, complete cds//9.6e-84:778:74//Hs.154970:U03494
 F-NT2RP4001041//Human endosome-associated protein (EEA1) mRNA, complete cds//0.95:170:64//Hs.2864:
 L40157
 20 F-NT2RP4001057//EST//9.6e-05:122:72//Hs.132518:AA928157
 F-NT2RP4001064//Homo sapiens mRNA for cartilage-associated protein (CASP)//7.2e-13:441:63//Hs.155481:
 AJ006470
 F-NT2RP4001078//ESTs//1.3e-29:165:95//Hs.113817:AA702497
 F-NT2RP4001079//Homo sapiens mRNA for putative Ca²⁺-transporting ATPase, partial//1.4e-131:634:98//Hs.
 25 106778:AJ010953
 F-NT2RP4001080//Polypyrimidine tract binding protein (hnRNP I) {alternative products}//0.025:166:66//Hs.
 146459:X66975
 F-NT2RP4001086//Homo sapiens mRNA for KIAA0592 protein, partial cds//1.5e-85:604:86//Hs.13273:AB011164
 F-NT2RP4001095
 30 F-NT2RP4001100//ESTs, Weakly similar to C17G10.1 [C.elegans]//1.4e-93:448:98//Hs.105837:AA536054
 F-NT2RP4001117//ESTs, Highly similar to PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT [Canis
 familiaris]//2.2e-26:171:92//Hs.14038:R06800
 F-NT2RP4001122//Human mRNA for histone H1x, complete cds//0.99:185:66//Hs.109804:D64142
 F-NT2RP4001126//ESTs, Moderately similar to The KIAA0138 gene product is novel. [H.sapiens]//5.8e-37:185:
 35 100//Hs.126925:AA931237
 F-NT2RP4001138//ESTs//3.4e-09:125:77//Hs.1433 82:AA476266
 F-NT2RP4001143//ESTs//1.0:282:57//Hs.157423:AI358261
 F-NT2RP4001148//ESTs//0.82:206:62//Hs.129259:AA992207
 F-NT2RP4001149//EST//1.3e-17:140:88//Hs.101727:H16171
 40 F-NT2RP4001150//AXONIN-1 PRECURSOR//7.7e-07:562:59//Hs.2998:X67734
 F-NT2RP4001159//EST//0.26:125:66//Hs.152092:AA377324
 F-NT2RP4001174//ESTs//2.9e-103:502:98//Hs.125886:AA884264
 F-NT2RP4001206//EST//0.33:125:66//Hs.152092:AA377324
 F-NT2RP4001207
 45 F-NT2RP4001210//ESTs//3.1e-95:460:97//Hs.46913:AI017636
 F-NT2RP4001213//KRAB zinc finger protein {alternative products}//1.1e-45:187:74//Hs.22556:U37251
 F-NT2RP4001219//ESTs//1.4e-69:352:96//Hs.116392:AA936262
 F-NT2RP4001228//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//7.2e-28:855:60//Hs.
 122967:AF059569
 50 F-NT2RP4001235//Homo sapiens Jagged 2 mRNA, complete cds//1.0:257:59//Hs.106387:AF029778
 F-NT2RP4001256//Human mRNA for KIAA0273 gene, complete cds//0.96:247:62//Hs.75899:D87463
 F-NT2RP4001260//Syntrophin, alpha (dystrophin-associated protein A1, 59kD, acidic component)//0.015:246:62//
 Hs.31121:U40571
 F-NT2RP4001274//Homo sapiens clone 24674 mRNA sequence//1.2e-06:259:64//Hs.71168:AF070578
 55 F-NT2RP4001276//Homo sapiens CAGF9 mRNA, partial cds//7.6e-06:266:62//Hs.110826:U80736
 F-NT2RP4001313//Homo sapiens mitochondrial outer membrane protein (TOM40) mRNA, nuclear gene encoding
 mitochondrial protein, complete cds//2.3e-31:535:65//Hs.30928:AF043250
 F-NT2RP4001315//EST//9.5e-20:146:88//Hs.158755:AI375917

F-NT2RP4001336//ESTs//1.0:128:67//Hs.99598:AA603110
 F-NT2RP4001339
 F-NT2RP4001343
 F-NT2RP4001345//Lecithin-cholesterol acyltransferase//8.0e-39:686:64//Hs.112125:M12625
 5 F-NT2RP4001351//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete
 cds//2.0e-31:784:62//Hs.15432:U53445
 F-NT2RP4001353//Homo sapiens chromosome 7q22 sequence//0.0034:497:57//Hs.125742:AF053356
 F-NT2RP4001372
 F-NT2RP4001373//Homo sapiens clone Dt1P1b11 mRNA, CAG repeat region//0.43:290:58//Hs.82101:Z50194
 10 F-NT2RP4001375
 F-NT2RP4001379//TRICHOHYALIN//8.2e-05:591:58//Hs.82276:L09190
 F-NT2RP4001389//EST//5.3e-27:212:84//Hs.160402:AI393918
 F-NT2RP4001407//Homo sapiens mRNA for RGS5, complete cds//0.93:218:58//Hs.24950:AB008109
 F-NT2RP4001414//Human mRNA for KIAA0202 gene, partial cds//6.3e-78:818:71//Hs.80712:D86957
 15 F-NT2RP4001433//Zinc finger protein 10 (KOX 1)//1.1e-88:839:73//Hs.2479:X78933
 F-NT2RP4001442
 F-NT2RP4001447//Homo sapiens mRNA for KIAA0783 protein, complete cds//0.0075:218:63//Hs.41153:
 AB018326
 F-NT2RP4001474//ESTs, Weakly similar to probable CBP3 protein homolog [C.elegans]//2.1e-90:460:96//Hs.
 20 26676:AA033997
 F-NT2RP4001483//Oxoglutarate dehydrogenase (lipoamide)//8.1e-61:480:75//Hs.75533:D10523
 F-NT2RP4001498//ESTs, Weakly similar to GA BINDING PROTEIN BETA-2 CHAIN [H.sapiens]//0.25:216:60//Hs.
 63220:AA522707
 F-NT2RP4001502//ESTs//2.6e-41:206:99//Hs.159257:N40395
 25 F-NT2RP4001507//H.sapiens mRNA for RanGTPase activating protein 1//0.51:281:61//Hs.5923:X82260
 F-NT2RP4001524//ESTs, Weakly similar to F13B12.1 [C.elegans]//9.4e-30:173:94//Hs.5570:AI377863
 F-NT2RP4001529//Human transcription factor LSF mRNA, complete cds//1.3e-35:329:76//Hs.154970:U03494
 F-NT2RP4001547//Homo sapiens forkhead protein FREAC-2 mRNA, complete cds//0.0015:221:65//Hs.44481:
 U13220
 30 F-NT2RP4001551//Human BRCA2 region, mRNA sequence CG003//0.56:428:59//Hs.30649:U50534
 F-NT2RP4001555//EST//0.99:225:64//Hs.96863:AA347174
 F-NT2RP4001567
 F-NT2RP4001568//ESTs, Weakly similar to HYPOTHETICAL 32.6 KD PROTEIN IN MET30-CBR5 INTERGENIC
 REGION [Saccharomyces cerevisiae]//1.1e-54:252:83//Hs.158208:AA167836
 35 F-NT2RP4001571//ESTs//3.0e-94:475:96//Hs.65322:AA019410
 F-NT2RP4001574
 F-NT2RP4001575//Homo sapiens mRNA for ARE1-like protein//1.8e-169:796:98//Hs.108826:AL031228
 F-NT2RP4001592
 F-NT2RP4001610//Human involucrin mRNA//0.94:462:59//Hs.157091:M13903
 40 F-NT2RP4001614//ESTs//0.71:331:58//Hs.116533:AI343952
 F-NT2RP4001634
 F-NT2RP4001638//ESTs, Weakly similar to HYPOTHETICAL 117.9 KD PROTEIN IN FKH1-STH1 INTERGENIC
 REGION [S.cerevisiae]//8.6e-57:287:97//Hs.117439:C18436
 F-NT2RP4001644//Human mRNA for MNK1, complete cds//1.7e-53:415:80//Hs.5591:AB000409
 45 F-NT2RP4001656//ESTs, Highly similar to PHENYLALANYL-TRNA SYNTHETASE MITOCHONDRIAL PRECUR-
 SOR [Saccharomyces cerevisiae]//1.0:311:59//Hs.57969:AA203629
 F-NT2RP4001677//Homo sapiens short form transcription factor C-MAF (c-maf) mRNA, complete cds//0.19:162:
 67//Hs.30250:AF055376
 F-NT2RP4001679//Homo sapiens PYRIN (MEFV) mRNA, complete cds//2.2e-50:332:86//Hs.113283:AF018080
 50 F-NT2RP4001696
 F-NT2RP4001725//Galactokinase 1//1.0:202:63//Hs.92357:L76927
 F-NT2RP4001730//Human growth/differentiation factor 1 (GDF-1) mRNA, complete cds//0.0035:247:62//Hs.
 92614:M62302
 F-NT2RP4001739//Complement component 8, gamma polypeptide//0.74:654:56//Hs.1285:U08198
 55 F-NT2RP4001753//Zinc finger protein 84 (HPF2)//4.5e-29:476:67//Hs.9450:M27878
 F-NT2RP4001760//ESTs//1.0:411:60//Hs.108548:AA081656
 F-NT2RP4001790//Homo sapiens PAC clone DJ0604G05 from 7q22-q31.1//9.1e-34:400:68//Hs.154212:
 AC004522

F-NT2RP4001803//Human high conductance inward rectifier potassium channel alpha subunit mRNA, complete
 cds//0.028:580:58//Hs.2363:L36069
 F-NT2RP4001822//ESTs//3.4e-50:307:90//Hs.113509:AA132131
 5 F-NT2RP4001823//Human faciogenital dysplasia (FGD1) mRNA, complete cds//3.1e-07:509:59//Hs.1572:
 U11690
 F-NT2RP4001828
 F-NT2RP4001838//Human mRNA for KIAA0071 gene, partial cds//6.9e-55:555:73//Hs.78398:D31888
 F-NT2RP4001841//ESTs//0.99:215:60//Hs.136895:AA897749
 F-NT2RP4001849//Homo sapiens mRNA for KIAA0672 protein, complete cds//5.6e-57:813:65//Hs.6336:
 10 AB014572
 F-NT2RP4001861//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.8e-12:
 84:94//Hs.140232:AA705170
 F-NT2RP4001889
 F-NT2RP4001893//Homo sapiens BAC clone GS166A23 from 7p21//4.4e-108:535:97//Hs.15144:AC005014
 15 F-NT2RP4001896
 F-NT2RP4001901//ESTs//1.4e-50:291:93//Hs.67991:AA147848
 F-NT2RP4001927
 F-NT2RP4001938//ESTs, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens]//2.8e-54:375:84//Hs.119294:
 AI379442
 20 F-NT2RP4001946//EST//0.050:268:60//Hs.148341:AA921894
 F-NT2RP4001950//EST//7.9e-14:336:63//Hs.112810:AA610063
 F-NT2RP4001953//ESTs//0.018:206:65//Hs.130105:AA904868
 F-NT2RP4001966//Human DNA sequence from clone 1052M9 on chromosome Xq25. Contains the SH2D1A gene
 for SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome) (DSHP), part of a 60S Acidic Ribos-
 25 omal protein 1 (RPLP1) LIKE gene and part of a mouse DOC4 LIKE gene. Contains ESTs and GSSs//1.7e-54:
 788:65//Hs.23796:AL022718 F-NT2RP4001975//Homo sapiens homeobox protein Six3 (SIX3) gene, complete
 cds//0.0019:279:65//Hs.159439:AF092047
 F-NT2RP4002018//ESTs, Highly similar to RING CANAL PROTEIN [Drosophila melanogaster]//0.58:463:55//Hs.
 3826:U69560
 30 F-NT2RP4002047//EST//2.5e-13:102:90//Hs.148997:AI243139
 F-NT2RP4002052
 F-NT2RP4002058//ESTs//5.2e-41:347:72//Hs.121961:AA777873
 F-NT2RP4002071//Homo sapiens TTAGGG repeat binding factor 2 (hTRF2) mRNA, complete cds//0.97:227:60//
 Hs.100030:AF002999
 35 F-NT2RP4002075
 F-NT2RP4002078//ESTs, Moderately similar to zinc finger protein [H.sapiens]//1.0e-38:243:90//Hs.139115:
 AA325104
 F-NT2RP4002081//TATA box binding protein//0.0059:310:60//Hs.1100:M55654
 F-NT2RP4002083//H.sapiens Pur (pur-alpha) mRNA, complete cds//0.0015:152:70//Hs.25180:M96684
 40 F-NT2RP4002408//Human protein kinase C-L (PRKCL) mRNA, complete cds//8.0e-10:401:59//Hs.89616:M55284
 F-NT2RP4002791//Ataxin 1//1.0:215:61//Hs.74520:X79204
 F-NT2RP4002888
 F-NT2RP4002905//ESTs//3.4e-50:280:94//Hs.131697:H14960
 F-NT2RP5003459//Glyceraldehyde-3-phosphate dehydrogenase//1.3e-35:193:96//Hs.74456:U34995
 45 F-NT2RP5003461//ESTs//3.6e-104:513:98//Hs.88088:AA521071
 F-NT2RP5003477//Eukaryotic translation initiation factor 3 (eIF-3) p36 subunit//0.18:271:60//Hs.139745:U39067
 F-NT2RP5003492
 F-NT2RP5003500//Homo sapiens mRNA for heparan-sulfate 6-sulfotransferase, complete cds//6.1e-56:750:69//
 Hs.132884:AB006179
 50 F-NT2RP5003506//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-69G12//5.1e-14:348:62//Hs.154050:
 AC004131
 F-NT2RP5003512//Homo sapiens mRNA for KIAA0642 protein, partial cds//0.94:202:63//Hs.8152:AB014542
 F-NT2RP5003522
 F-NT2RP5003524//ESTs//8.7e-08:340:62//Hs.152730:AI308943
 55 F-NT2RP5003534
 F-OVARC1000001//Homo sapiens mRNA for KIAA0465 protein, partial cds//4.0e-69:373:94//Hs.108258:
 AB007934
 F-OVARC1000004//ESTs//6.0e-38:216:93//Hs.163801:AI391729

EP 1 074 617 A2

F-OVARC1000006//ESTs, Highly similar to HISTONE H2A [Cairina moschata]//4.4e-75:355:99//Hs.36727:AI051983
F-OVARC1000013//ESTs//0.65:331:58//Hs.146326:AA534304
F-OVARC1000014//Homo sapiens GLE1 (GLE1) mRNA, complete cds//1.8e-171:815:98//Hs.81449:AF058922
5 F-OVARC1000017//Homo sapiens mRNA for NTAK, complete cds//0.50:482:58//Hs.113264:AB005060
F-OVARC1000035//Homo sapiens GA17 protein mRNA, complete cds//2.2e-37:238:89//Hs.69469:AF064603
F-OVARC1000058//ESTs//1.1e-23:132:97//Hs.61809:AA503549
F-OVARC1000060//ESTs, Highly similar to ribonuclease 6 precursor [H.sapiens]//6.7e-60:305:97//Hs.31696:H50008
10 F-OVARC1000068//ESTs//3.8e-10:69:100//Hs.89048:AA282798
F-OVARC1000071//ESTs//1.9e-36:202:95//Hs.125013:AA400543
F-OVARC1000085
F-OVARC1000087//EST//1.0:199:58//Hs.122919:AA768442
F-OVARC1000091//Homo sapiens Jagged 2 mRNA, complete . cds//0.00017:414:59//Hs.106387:AF029778
15 F-OVARC1000092//ESTs//4.6e-06:410:60//Hs.152250:AA203600
F-OVARC1000106//ESTs, Weakly similar to C25A1.1 [C.elegans]//2.9e-73:406:92//Hs.109463:AI205174
F-OVARC1000109
F-OVARC1000113//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds//5.3e-135:663:96//Hs.3688:AF069250
20 F-OVARC1000114//Homo sapiens mRNA for KIAA0562 protein, complete cds//3.4e-43:532:72//Hs.118401:AB011134
F-OVARC1000133//ESTs//9.4e-50:249:98//Hs.159146:AI384010
F-OVARC1000139
F-OVARC1000145//ESTs//1.6e-09:87:90//Hs.25219:AA291293
25 F-OVARC1000148//ESTs//4.4e-28:146:100//Hs.133223:AA677414
F-OVARC1000151
F-OVARC1000168//ESTs//2.3e-48:264:95//Hs.14539:H67305
F-OVARC1000191//Thrombopoietin (myeloproliferative leukemia virus oncogene ligand, megakaryocyte growth and development factor)//0.10:504:59//Hs.154083:U70136
30 F-OVARC1000198//ESTs//1.3e-103:505:97//Hs.149341:AI249131
F-OVARC1000209//EST//1.0:73:72//Hs.162600:AA594840
F-OVARC1000212//ESTs//1.7e-17:121:91//Hs.50473:W68834
F-OVARC1000240//ESTs, Highly similar to THREONYL-TRNA SYNTHETASE, CYTOPLASMIC [Homo sapiens] //2.7e-31:264:79//Hs.151895:AA196379
35 F-OVARC1000241//Homo sapiens clone 23698 mRNA sequence//3.4e-35:466:68//Hs.8136:U81984
F-OVARC1000288//ESTs, Weakly similar to Y53C12A.3 [C.elegans]//0.00084:170:65//Hs.107747:AI357868
F-OVARC1000302//EST//4.1e-05:249:60//Hs.136432:AA555306
F-OVARC1000304//ESTs//1.0:252:64//Hs.12126:AA203287
F-OVARC1000309//ESTs, Highly similar to BRAIN ENRICHED HYALURONAN BINDING PROTEIN PRECURSOR [Felis catus]//0.51:193:66//Hs.6194:AI378579
40 F-OVARC1000321
F-OVARC1000326//Homo sapiens T-type calcium channel alpha-1 subunit mRNA, complete cds//0.0018:507:60//Hs.122359:AF051946
F-OVARC1000335//ESTs//9.3e-39:202:98//Hs.132849:AA779444
45 F-OVARC1000347
F-OVARC1000384//Homo sapiens (clone PEBP2aA1) core-binding factor, runt domain, alpha subunit 1 (CBFA1) mRNA, 3' end of cds//3.4e-06:353:62//Hs.121895:AF001450
F-OVARC1000408//Human mRNA for KIAA0140 gene, complete cds//0.94:231:64//Hs.156016:D50930
F-OVARC1000411//EST//0.43:234:59//Hs.124673:AA858162
50 F-OVARC1000414//EST//5.2e-05:105:72//Hs.98827:AA435682
F-OVARC1000420//Human mRNA for KIAA0140 gene, complete cds//0.86:231:58//Hs.156016:D50930
F-OVARC1000427//ESTs, Moderately similar to ORF1 [H.sapiens]//1.7e-25:190:84//Hs.139513:AA259082
F-OVARC1000431//ESTs//0.041:356:57//Hs.139907:AA621615
F-OVARC1000437//Filamin 1 (actin-binding protein-280)//0.93:281:60//Hs.76279:X53416
55 F-OVARC1000440//Human PINCH protein mRNA, complete cds//8.8e-21:116:99//Hs.83987:U09284
F-OVARC1000442//ESTs//2.0e-19:207:78//Hs.134071:AI377423
F-OVARC1000443//Homo sapiens mRNA for KIAA0683 protein, complete cds//3.2e-140:566:99//Hs.12334:AB014583

EP 1 074 617 A2

F-OVARC1000461//ESTs//1.0e-39:215:95//Hs.131532:AI024524
 F-OVARC1000465//Homo sapiens clone 24781 mRNA sequence//1.0:252:58//Hs.108112:AF070640
 F-OVARC1000466//ESTs//3.6e-14:189:71//Hs.164041:R51854
 F-OVARC1000473//ESTs//0.00012:77:85//Hs.29173:AA134926
 5 F-OVARC1000479
 F-OVARC1000486//ESTs//4.2e-07:409:60//Hs.99280:AA453036
 F-OVARC1000496//ESTs//6.0e-14:240:69//Hs.131900:AI023327
 F-OVARC1000520//Homo sapiens supervillin mRNA, complete cds//6.9e-115:539:99//Hs.111285:AF051850
 F-OVARC1000526//ESTs//2.9e-08:368:611//Hs.42771:N26740
 10 F-OVARC1000533//EST//3.4e-14:137:82//Hs.123405:AA813492
 F-OVARC1000543//ESTs//0.13:278:61//Hs.54894:N98475
 F-OVARC1000556//ESTs//1.4e-31:217:90//Hs.106385:W26667
 F-OVARC1000557//ESTs//3.8e-20:208:76//Hs.138919:AA827410
 F-OVARC1000564//Human dsRNA adenosine deaminase DRADA2b (DRADA2b) mRNA, complete cds//0.87:135:
 15 66//Hs.85302:U76421
 F-OVARC1000573//ESTs//2.1e-22:268:76//Hs.121852:AA776358
 F-OVARC1000576//ESTs//9.4e-22:124:98//Hs.24220:W22200
 F-OVARC1000578//EST//4.7e-31:335:74//Hs.162881:AA652729
 F-OVARC1000588//Human BMK1 alpha kinase mRNA, complete cds//0.67:263:63//Hs.3080:U29725
 20 F-OVARC1000605//EST//1.0:148:62//Hs.163346:AA883722
 F-OVARC1000622//EST//4.3e-50:313:88//Hs.149580:AI281881
 F-OVARC1000640//ESTs//2.6e-55:441:80//Hs.105319:AA470097
 F-OVARC1000649//Human squamous cell carcinoma of esophagus mRNA for GRB-7 SH2 domain protein, com-
 plete cds//1.6e-78:424:93//Hs.86859:D43772
 25 F-OVARC1000661//Homo sapiens mRNA for KIAA0590 protein, complete cds//1.6e-100:536:94//Hs.111862:
 AB011162
 F-OVARC1000678//EST//1.3e-08:131:77//Hs.145970:AI277106
 F-OVARC1000679//ESTs//0.66:223:61//Hs.134782:H74279
 F-OVARC1000681//EST//0.017:315:61//Hs.147799:AI221639
 30 F-OVARC1000682//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds//4.8e-153:549:99//Hs.
 125315:AF027156
 F-OVARC1000689//Homo sapiens clone 24640 mRNA sequence//0.030:479:57//Hs.4764:AB018306
 F-OVARC 1000700
 F-OVARC1000703//ESTs//0.41:100:68//Hs.160699:AI284320
 35 F-OVARC1000722//Homo sapiens chromosome 1q21-1q23 beta-1,4-galactosyltransferase mRNA, complete cds//
 1.2e-110:451:91//Hs.13476:AF038661
 F-OVARC1000730//ESTs, Weakly similar to C27F2.7 gene product [C.elegans]//2.9e-53:318:91//Hs.7049:
 AI141736
 F-OVARC1000746//ESTs//3.2e-123:570:99//Hs.127295:AA918411
 40 F-OVARC1000769//ESTs//0.072:177:67//Hs.142573:AA601196
 F-OVARC1000771//ESTs, Moderately similar to RAS-RELATED PROTEIN RAB-2 [H.sapiens]//1.2e-38:194:99//
 Hs.157059:W28130
 F-OVARC1000781//ESTs//4.0e-14:113:89//Hs.41972:AA626793
 F-OVARC1000787//EST//0.92:91:64//Hs.163258:AA828835
 45 F-OVARC1000800//ESTs//1.6e-44:193:81//Hs.163971:N27584
 F-OVARC1000802//ESTs//4.6e-43:395:80//Hs.115401:AA400032
 F-OVARC1000834//ESTs//1.9e-91:431:99//Hs.154450:AA069390
 F-OVARC1000846//Homo sapiens mRNA for KIAA0643 protein, partial cds//1.9e-151:432:100//Hs.155995:
 AB014543
 50 F-OVARC1000850//Homo sapiens PB39 mRNA, complete cds//3.3e-137:632:99//Hs.18910:AF045584
 F-OVARC1000862//ESTs, Highly similar to gene Fil protein [M.musculus]//6.1e-31:183:93//Hs.108620:AA418155
 F-OVARC1000876//Human DNA binding protein FKHL15 (FKHL15) mRNA, complete cds//0.54:133:69//Hs.
 159234:U89995
 F-OVARC1000883//ESTs//0.44:154:63//Hs.98183:AA417143
 55 F-OVARC1000885//EST//0.91:152:63//Hs.160765 :AI313323
 F-OVARC1000886//ESTs//4.6e-08:375:61//Hs.131653:AI025777
 F-OVARC 1000890
 F-OVARC1000891

F-OVARC1000897//ESTs//1.1e-07:145:69//Hs.119878:AA706818
 F-OVARC1000912//EST//3.6e-08:376:61//Hs.158782:AI376601
 F-OVARC1000915//Homo sapiens mRNA for KIAA0600 protein, partial cds//2.3e-85:419:97//Hs.9028:AF039691
 F-OVARC1000924//ESTs//3.6e-113:540:98//Hs.66058:AA424456
 5 F-OVARC1000936//Human endogenous retrovirus envelope region mRNA (PL1)//4.3e-64:623:72//Hs.114440:
 M11119
 F-OVARC1000937//EST//2.4e-39:170:96//Hs.129138:AA988078
 F-OVARC1000945//ESTs, Weakly similar to protein tyrosine phosphatase [H.sapiens]//2.4e-29:157:97//Hs.
 136243:AA307843
 10 F-OVARC 1000948
 F-OVARC1000959//EST//0.65:293:55//Hs.134725:AI088986
 F-OVARC1000960//Ley L-L//1.4e-41:425:72//Hs.37062:AC005952
 F-OVARC1000964//ESTs//1.4e-95:486:96//Hs.57079:D45288
 F-OVARC1000971//ESTs//0.19:198:62//Hs.153429:AI283069
 15 F-OVARC1000984//Breakpoint cluster region protein BCR//0.26:365:56//Hs.2557:Y00661
 F-OVARC1000996//Human p300/CBP-associated factor (P/CAF) mRNA, complete cds//6.8e-10:312:65//Hs.
 155302:U57317
 F-OVARC1000999//Homo sapiens mRNA for chemokine LEC precursor, complete cds//0.0056:209:62//Hs.10458:
 AF088219
 20 F-OVARC1001000//EST//4.2e-24:242:77//Hs.128952:AA984114
 F-OVARC1001004
 F-OVARC1001010
 F-OVARC1001011//ESTs, Moderately similar to Tera [M.musculus]//3.8e-47:234:99//Hs.110327:AA205866
 F-OVARC1001032//HUMAN IMMUNODEFICIENCY VIRUS TYPE I ENHANCER-BINDING PROTEIN 2//0.0076:
 25 624:57//Hs.75063:AL023584
 F-OVARC1001034//ESTs, Highly similar to mitogen-induced [M.musculus]//3.9e-97:578:89//Hs.111974:AI050735
 F-OVARC1001038//Homo sapiens TRIAD1 type I mRNA, complete cds//8.6e-152:733:97//Hs.9899:AF099149
 F-OVARC 1001040//ESTs//2.2e-38:204:96//Hs.128927:AI168074
 F-OVARC1001044//EST//0.036:304:61//Hs.137342:AA017385
 30 F-OVARC1001051
 F-OVARC1001055//Human pre-B cell enhancing factor (PBEF) mRNA, complete cds//1.1e-46:381:81//Hs.
 154968:U02020
 F-OVARC1001062//ESTs//0.020:265:60//Hs.146226:AI312873
 F-OVARC1001065//ESTs, Weakly similar to C50F4.12 [C.elegans]//1.4e-21:183:84//Hs.46680:AA809451
 35 F-OVARC1001068//Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds//6.6e-132:620:98//Hs.
 3426:AF082657
 F-OVARC1001072//ESTs//1.1e-24:289:74//Hs.139614:AA709013
 F-OVARC1001074//ESTs//0.059:198:63//Hs.59974:AA001937
 F-OVARC1001085//H.sapiens mRNA for sortilin//0.99:142:67//Hs.104247:X98248
 40 F-OVARC1001092//Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337,
 LLNLc110F1857Q7 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin))//1.3e-75:289:95//Hs.21753:AJ005897
 F-OVARC1001107//Homo sapiens SKB1Hs mRNA, complete cds//1.2e-73:351:86//Hs.12912:AF015913
 F-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds//2.1e-151:710:98//Hs.26584:
 AF051782
 45 F-OVARC1001117//ESTs//3.8e-73:347:99//Hs.116029:AA813102
 F-OVARC1001118
 F-OVARC1001129
 F-OVARC1001154//Granulin//2.4e-94:686:83//Hs.75451:AF055008
 F-OVARC1001161//ESTs//2.2e-40:208:97//Hs.113006:AA621725
 50 F-OVARC1001162
 F-OVARC1001167
 F-OVARC1001169//ESTs//0.81:158:63//Hs.48527:AI078279
 F-OVARC1001170//ESTs//9.0e-87:412:99//Hs.116550:AA813287
 F-OVARC1001171//ESTs//4.9e-26:167:79//Hs.139158:AA226159
 55 F-OVARC1001173//ESTs, Moderately similar to GLUTAMATE DEHYDROGENASE 1 PRECURSOR [Homo sapi-
 ens]//1.8e-11:192:69//Hs.130020:AA887581
 F-OVARC1001176//Homo sapiens chromosome 19, cosmid R26529//0.61:387:58//Hs.91103:AC005551
 F-OVARC1001180//ESTs, Weakly similar to ubiquitin S6(1) [D.melanogaster]//1.5e-13:199:71//Hs.109966:

C06057
 F-OVARC1001188//ESTs, Weakly similar to HYPOTHETICAL 27.8 KD PROTEIN IN VMA7-RPS31A INTERGENIC
 REGION [S.cerevisiae]//1.4e-52:324:90//Hs.114673:W72675
 F-OVARC1001200//ESTs//3.9e-16:104:94//Hs.125520:AA883889
 5 F-OVARC1001232//Cyclin A//0.95:124:67//Hs.85137:X51688
 F-OVARC1001240//EST//0.017:351:60//Hs.120655:AA745676
 F-OVARC1001243//ESTs//0.78:291:59//Hs.132458:AI424825
 F-OVARC1001244//RING3 PROTEIN//2.8e-19:118:95//Hs.75243:D42040
 F-OVARC1001261//EST//1.9e-42:225:96//Hs.158854:AI377837
 10 F-OVARC1001268//ESTs//0.66:239:61//Hs.132525:AA576821
 F-OVARC1001270//ESTs//0.99:204:60//Hs.144647:AA625224
 F-OVARC1001271//Homo sapiens mRNA for KIAA0643 protein, partial cds//6.8e-144:644:96//Hs.155995:
 AB014543
 F-OVARC1001282//ESTs, Weakly similar to Ydr438wp [S.cerevisiae]//0.11:355:60//Hs.108812:AA044835
 15 F-OVARC1001296//ESTs//1.1e-46:237:98//Hs.33746:N78172
 F-OVARC1001306//Homo sapiens nuclear receptor co-repressor N-CoR mRNA, complete cds//0.20:188:64//Hs.
 152455:AF044209
 F-OVARC1001329//ESTs//1.4e-97:486:97//Hs.125886:AA884264
 F-OVARC1001330
 20 F-OVARC1001339//Solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like
 1)//0.021:232:62//Hs.79410:U62531
 F-OVARC1001341//ESTs, Weakly similar to C17G10.1 [C.elegans]//2.5e-76:363:99//Hs.105837:AA536054
 F-OVARC1001342//EST//0.98:97:65//Hs.148210:AA897493
 F-OVARC1001344//EST//5.3e-10:241:64//Hs.138777:N67251
 25 F-OVARC1001357//Homo sapiens jerky gene product homolog mRNA, complete cds//0.64:198:61//Hs.105940:
 AF004715
 F-OVARC1001360//ESTs//4.9e-87:429:97//Hs.130145:AI264633
 F-OVARC1001369//ESTs//6.3e-07:371:62//Hs.131653:AI025777
 F-OVARC1001372//Homo sapiens mRNA for KIAA0654 protein, partial cds//1.4e-69:533:74//Hs.109299:
 AB014554
 30 F-OVARC1001376//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//2.5e-49:365:73//Hs.
 129735:AF010144
 F-OVARC1001381//Homo sapiens mRNA for candidate tumor suppressor involved in B-CLL//4.1e-149:683:99//
 Hs.151428:AJ224819
 35 F-OVARC1001391//Homo sapiens methyl-CpG binding protein MBD2 (MBD2) mRNA, complete cds//0.097:235:
 65//Hs.25674:AF072242
 F-OVARC1001399//ESTs//1.1e-35:264:83//Hs.59379:W28225
 F-OVARC1001417//Homo sapiens EXLM1 mRNA, complete cds//1.3e-150:707:98//Hs.21586:AB006651
 F-OVARC1001419//Homo sapiens GOK (STIM1) mRNA, complete cds//1.6e-49:586:69//Hs.74597:U52426
 40 F-OVARC1001425//ESTs//2.4e-11:258:67//Hs.119197:T83651
 F-OVARC1001436
 F-OVARC1001442
 F-OVARC1001453
 F-OVARC1001476//ESTs, Weakly similar to HYPOTHETICAL 38.6 KD PROTEIN IN TIF4631-KRE11 INTERGEN-
 45 IC REGION [S.cerevisiae]//1.9e-125:581:99//Hs.110950:AI041823
 F-OVARC1001480//ESTs//0.95:125:72//Hs.152584:AA584568
 F-OVARC1001489//EST//4.9e-72:341:100//Hs.148191:AA897343
 F-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds//2.6e-86:479:92//Hs.6534:
 AF016507
 50 F-OVARC1001506//Polycystic kidney disease 1 (autosomal dominant)//1.1e-97:538:92//Hs.75813:L33243
 F-OVARC1001525
 F-OVARC1001542//Envoplakin//0.34:258:60//Hs.25482:U53786
 F-OVARC1001547//EST//0.0046:237:62//Hs.54638:N90595
 F-OVARC1001555
 55 F-OVARC1001577//Homo sapiens SRp46 splicing factor retropseudogene mRNA//6.8e-57:275:98//Hs.155160:
 AF031166
 F-OVARC1001600//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//0.0035:
 271:60//Hs.108465:AI144299

EP 1 074 617 A2

F-OVARC1001610//ESTs, Weakly similar to F22E10.5 [C.elegans]/1.4e-43:216:99//Hs.120002:AI038398
 F-OVARC1001611
 F-OVARC1001615//EST//0.99:135:68//Hs.129410:AA993500
 F-OVARC1001668//Homo sapiens mRNA for KIAA0572 protein, partial cds//3.3e-37:217:94//Hs.14409:AB011144
 5 F-OVARC1001702//Homo sapiens mRNA for hSOX20 protein, complete cds//5.9e-49:393:81//Hs.95582:
 AB006867
 F-OVARC1001703//EST//1.7e-24:172:88//Hs.121198:AA757229
 F-OVARC1001711//Fms-related tyrosine kinase 3 ligand//0.049:353:61//Hs.428:U03858
 F-OVARC1001713//ESTs//8.9e-37:263:86//Hs.110298:AA621807
 10 F-OVARC1001726//ESTs//2.0e-12:121:82//Hs.153332:AA236863
 F-OVARC1001731//Tropomyosin beta chain (skeletal muscle)//1.7e-83:617:80//Hs.155652:X06825
 F-OVARC1001745//EST//0.75:174:64//Hs.146778:AI148588
 F-OVARC1001762
 F-OVARC1001766//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds//
 15 1.4e-150:706:98//Hs.155377:U97670
 F-OVARC1001767//Homo sapiens mRNA for KIAA0675 protein, complete cds//9.8e-117:580:96//Hs.15869:
 AB014575
 F-OVARC 1001768//ESTs//0.035:179:64//Hs.87279:AI218697
 F-OVARC1001791
 20 F-OVARC1001795//ESTs//0.19:68:76//Hs.37699:AA062830
 F-OVARC1001802//EST//3.7e-45:254:92//Hs.130620:AI005102
 F-OVARC1001805//Homo sapiens mRNA for KIAA0744 protein, complete cds//0.77:362:58//Hs.116753:
 AB018287
 F-OVARC1001809//Human N-type calcium channel alpha-1 subunit mRNA, complete cds//2.2e-07:435:62//Hs.
 25 69949:M94172
 F-OVARC1001812//ESTs//3.0e-47:360:83//Hs.141756:AA700825
 F-OVARC1001813//EST//1.8e-57:277:100//Hs.162414:AA573453
 F-OVARC1001820//ESTs//1.4e-64:310:99//Hs.137398:AA164567
 F-OVARC1001828//EST//1.0e-09:184:66//Hs.130435:AA923537
 30 F-OVARC1001846//ESTs//1.8e-80:410:97//Hs.114539:N54973
 F-OVARC1001861
 F-OVARC1001873//Homo sapiens clones 24718 and 24825 mRNA sequence//3.9e-20:122:95//Hs.25300:
 AF070611
 F-OVARC1001879//Homo sapiens putative tumor suppressor gene 26 protein alpha 2 delta calcium channel sub-
 35 unit mRNA, complete cds//0.042:199:67//Hs.127436:AF040709
 F-OVARC1001880//Interferon regulatory factor 5//1.1e-06:489:60//Hs.54434:U51127
 F-OVARC1001883//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//9.5e-33:509:68//Hs.
 158095:AB007953
 F-OVARC1001900//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds//
 40 2.6e-57:300:96//Hs.6216:AF061749
 F-OVARC1001901//ESTs//2.3e-07:185:69//Hs.145630:AI263834
 F-OVARC1001911//EST//0.88:101:66//Hs.162622:AA601261
 F-OVARC1001916//H.sapiens mRNA for prepronociceptin//1.0:540:58//Hs.89040:U48263
 F-OVARC1001928
 45 F-OVARC1001942//Human plectin (PLEC1) mRNA, complete cds//0.038:290:62//Hs.79706:U53204
 F-OVARC1001943//ESTs, Weakly similar to HYPOTHETICAL 62.2 KD PROTEIN ZK652.6 IN CHROMOSOME III
 [C.elegans]/2.3e-119:565:98//Hs.5392:AA313794
 F-OVARC1001949//KRAB zinc finger protein {alternative products}/1.8e-17:294:67//Hs.22556:U37251
 F-OVARC1001950//ESTs//1.5e-15:300:65//Hs.138501:AI051228
 50 F-OVARC1001987//ESTs//6.7e-34:202:92//Hs.115600:AA351639
 F-OVARC1001989//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]/1.2e-23:
 213:78//Hs.105292:AA504776
 F-OVARC1002044//EST//0.26:164:66//Hs.161094:N30417
 F-OVARC1002050//Homo sapiens mRNA for KIAA0465 protein, partial cds//6.6e-160:739:98//Hs.108258:
 55 AB007934
 F-OVARC1002066//ESTs//1.8e-103:482:99//Hs.124923:AI375865
 F-OVARC1002082//EST//2.5e-09:213:67//Hs.112810:AA610063
 F-OVARC1002107

EP 1 074 617 A2

F-OVARC1002112//Homo sapiens histone macroH2A1.2 mRNA, complete cds//2.7e-101:498:96//Hs.75258:
 AF054174
 F-OVARC1002127//ESTs//1.6e-76:397:96//Hs.33432:R83913
 F-OVARC1002138//Homo sapiens p60 katanin mRNA, complete cds//3.5e-20:399:62//Hs.112725:AF056022
 5 F-OVARC1002143//EST//4.2e-09:240:65//Hs.140547:AA812795
 F-OVARC1002156//EST//0.35:112:66//Hs.136761:AA738097
 F-OVARC1002158//ESTs, Weakly similar to Y53C12A.3 [C.elegans]//7.4e-07:329:58//Hs.107747:AI357868
 F-OVARC1002165//H.sapiens BDP1 mRNA for protein-tyrosine-phosphatase//0.00010:300:64//Hs.118929:
 X79568
 10 F-OVARC1002182//Homo sapiens ataxin-7 (SCA7) mRNA, complete cds//0.19:178:64//Hs.108447:AJ000517
 F-PLACE1000004//ESTs//0.79:332:59//Hs.120221:AA731230
 F-PLACE1000005//ESTs//1.8e-10:89:87//Hs.158913:AI378928
 F-PLACE1000007//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds//1.2e-52:550:72//Hs.
 42400:AF022789
 15 F-PLACE1000014
 F-PLACE1000031
 F-PLACE1000040//ESTs//3.1e-18:123:91//Hs.138387:AA873088
 F-PLACE1000048//ESTs//1.2e-43:387:78//Hs.61199:AA024494
 F-PLACE1000050//ESTs//1.8e-84:421:96//Hs.128632:AI076755
 20 F-PLACE1000061//Ribosomal protein L37a//5.5e-29:177:93//Hs.1946:L06499
 F-PLACE1000066//ESTs, Weakly similar to coded for by C. elegans cDNA yk10c10.3 [C.elegans]//1.4e-47:266:
 93//Hs.30026:AI356771
 F-PLACE1000078//ESTs, Weakly similar to !!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!! [H.sapiens]//6.4e-
 15:203:70//Hs.157422:R85366
 25 F-PLACE1000081//Human transporter protein (g17) mRNA, complete cds//0.30:324:60//Hs.76460:U49082
 F-PLACE1000094
 F-PLACE1000133//ESTs, Highly similar to TRANSCRIPTION FACTOR BTF3 [Homo sapiens]//6.2e-82:476:92//
 Hs.111081:AI380378
 F-PLACE1000142//ESTs, Weakly similar to enoyl-CoA hydratase [H.sapiens]//7.7e-27:205:85//Hs.9670:
 30 AA632135
 F-PLACE1000184//Homo sapiens estrogen-related receptor gamma mRNA, complete cds//2.5e-151:737:97//Hs.
 151017:AF058291
 F-PLACE1000185
 F-PLACE1000213
 35 F-PLACE1000214//ESTs//0.00059:335:59//Hs.143849:AI167255
 F-PLACE1000236//Fanconi anemia, complementation group A//0.44:306:61//Hs.86297:X99226
 F-PLACE1000246//ESTs//7.3e-80:457:89//Hs.57209:W22022
 F-PLACE1000292//ESTs//1.8e-05:323:60//Hs.59962:AI278202
 F-PLACE1000308//EST//0.0024:253:62//Hs.144238:W52294
 40 F-PLACE1000332//EST//5.6e-18:223:74//Hs.99532:AA461047
 F-PLACE1000347//ESTs//6.4e-33:169:99//Hs.122975:AA428675
 F-PLACE1000374//Human CCAAT-box-binding factor (CBF) mRNA, complete cds//0.26:45:95//Hs.147991:
 M37197
 F-PLACE1000380//Homo sapiens proline and glutamic acid rich nuclear protein isoform mRNA, partial cds//1.0:
 45 262:58//Hs.102732:U88153
 F-PLACE1000383//Myotubular myopathy 1//1.1e-50:669:67//Hs.75302:U46024
 F-PLACE1000401//Homo sapiens mRNA for KIAA0616 protein, partial cds//0.036:471:58//Hs.6051:AB014516
 F-PLACE1000406//ESTs, Highly similar to PTB-ASSOCIATED SPLICING FACTOR [Homo sapiens]//8.7e-63:346:
 93//Hs.19501:AA742260
 50 F-PLACE1000420//Homo sapiens mRNA for KIAA0602 protein, partial cds//0.0023:216:65//Hs.37656:AB011174
 F-PLACE1000421//Human lipid-activated protein kinase PRK1 mRNA, complete cds//0.55:212:63//Hs.2499:
 U33053
 F-PLACE1000424
 F-PLACE1000435//Homo sapiens mRNA for XPR2 protein//0.58:674:55//Hs.44766:AJ007590
 55 F-PLACE1000444//Fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, Bombay phenotype included)
 //2.7e-52:421:80//Hs.69747:M35531
 F-PLACE1000453//Human mRNA for MTG8a protein, complete cds//0.026:240:60//Hs.31551:D43638
 F-PLACE1000481//Oxytocin receptor//1.6e-25:347:71//Hs.2820:X64878

EP 1 074 617 A2

F-PLACE1000492//Human mRNA for KIAA0355 gene, complete cds//0.58:302:60//Hs.153014:AB002353
F-PLACE1000540//EST//0.32:229:59//Hs.163011:AA700573
F-PLACE1000547//Human heparan sulfate proteoglycan (HSPG2) mRNA, complete cds//0.0046:223:65//Hs.75578:M85289
5 F-PLACE1000562
F-PLACE1000564//ESTs//8.0e-35:247:89//Hs.12999:AA278538
F-PLACE1000583//Homo sapiens clone 23939 mRNA sequence//6.6e-47:525:72//Hs.21838:AF038179
F-PLACE1000588//Guanylate binding protein 1, interferon-inducible, 67kD//2.3e-85:503:88//Hs.62661:M55542
F-PLACE1000596//Homo sapiens mRNA for NS1-binding protein (NS1-BP)//1.2e-165:798:97//Hs.159597:
10 AJ012449
F-PLACE1000599//ESTs//0.65:201:58//Hs.98216:AA758751
F-PLACE1000610//Homo sapiens mRNA for KIAA0642 protein, partial cds//0.98:215:60//Hs.8152:AB014542
F-PLACE1000611//ESTs//7.2e-20:406:64//Hs.128966:AA620986
F-PLACE1000636
15 F-PLACE1000653//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds//5.0e-154:747:96//Hs.5819:AF102265
F-PLACE1000656//Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and LLNLc110F1857Q7 (RZPD Berlin))//7.5e-158:775:97//Hs.29595:AJ005896
F-PLACE1000706//Homo sapiens transcription intermediary factor 1 (TIF1) mRNA, complete cds//1.0e-57:675:69//Hs.128763:AF009353
20 F-PLACE1000712//EST//0.56:171:61//Hs.112790:AA609949
F-PLACE1000716//Human mRNA for KIAA0258 gene, complete cds//6.1e-38:426:70//Hs.47313:D87447
F-PLACE1000748//ESTs//2.6e-43:233:95//Hs.110754:AA112288
F-PLACE1000749//Human MAGE-9 antigen (MAGE9) gene, complete cds//0.72:331:57//Hs.37110:U10694
25 F-PLACE1000755//NUCLEOLIN//0.0038:186:66//Hs.79110:M60858
F-PLACE1000769
F-PLACE1000785//Homo sapiens mRNA for KIAA0648 protein, partial cds//1.1e-139:663:98//Hs.31921:AB014548
F-PLACE1000786//Myosin, heavy polypeptide 9, non-muscle//8.5e-06:362:59//Hs.44782:Z82215
30 F-PLACE1000793//ESTs//2.7e-62:315:97//Hs.16141:W56079
F-PLACE1000798//ESTs//1.4e-55:316:93//Hs.139119:N32189
F-PLACE1000841//EST//0.47:143:61//Hs.144096:AI032180
F-PLACE1000849//Homo sapiens CAGF9 mRNA, partial cds//1.6e-06:266:63//Hs.110826:U80736
F-PLACE1000856//ESTs//2.6e-60:319:96//Hs.25994:AA470000
35 F-PLACE1000863//EST//9.4e-29:249:78//Hs.121919:AA777428
F-PLACE1000909//ESTs//0.97:214:60//Hs.128601:AA906455
F-PLACE1000931//ESTs//2.1e-46:592:70//Hs.154244:AA195201
F-PLACE1000948
F-PLACE1000972//Homo sapiens enhancer of filamentation (HEF1) mRNA, complete cds//7.9e-10:294:66//Hs.80261:L43821
40 F-PLACE1000977//ESTs, Weakly similar to coded for by C. elegans cDNA yk28h2.5 [C.elegans]//9.3e-45:309:88//Hs.13531:R61789
F-PLACE1000979//Zinc finger protein 91 (HPF7, HTF10)//0.0034:229:62//Hs.8597:L11672
F-PLACE1000987//Homo sapiens mRNA for KIAA0724 protein, complete cds//2.6e-141:694:96//Hs.158497:AB018267
45 F-PLACE1001000//ESTs//0.0035:116:73//Hs.144532:H39913
F-PLACE1001007//Guanylate cyclase 2D, membrane (retina-specific)//0.050:338:61//Hs.1974:M92432
F-PLACE1001010//H.sapiens mRNA for retrotransposon//1.6e-45:371:80//Hs.6940:Z48633
F-PLACE1001015//ESTs//8.6e-27:211:71//Hs.88040:AA256876
50 F-PLACE1001024
F-PLACE1001036//EST//1.0:133:65//Hs.161424:AI424741
F-PLACE1001054//Human plectin (PLEC1) mRNA, complete cds//0.98:284:59//Hs.79706:U53204
F-PLACE1001062
F-PLACE1001076//EST//0.84:223:59//Hs.161147:AI417859
55 F-PLACE1001088
F-PLACE1001092//Homo sapiens sorting nexin 4 mRNA, complete cds//1.0e-96:489:96//Hs.95448:AF065485
F-PLACE1001104//ESTs//0.19:249:64//Hs.152627:AA595817
F-PLACE1001118//Homo sapiens KRAB domain zinc finger protein (ZFP37) mRNA, complete cds//8.2e-66:676:

71//Hs.150406:AF022158
 F-PLACE1001136//Amphiregulin (schwannoma-derived growth factor)//1.5e-16:122:91//Hs.1257:M30704
 F-PLACE1001168
 F-PLACE1001171//ESTs//4.3e-12:214:72//Hs.141392:R95135
 5 F-PLACE1001185//ESTs, Weakly similar to ZK792.1 [C.elegans]//1.6e-28:421:66//Hs.8763:W30741
 F-PLACE1001238
 F-PLACE1001241//ESTs//1.1e-22:225:79//Hs.159786:R49494
 F-PLACE1001257//ESTs//1.9e-23:165:89//Hs.126518:AA913929
 F-PLACE1001272//COATOMER BETA'SUBUNIT//0.012:50:96//Hs.75724:X70476
 10 F-PLACE1001279//ESTs//0.97:377:59//Hs.152628:N51283
 F-PLACE1001280//Homo sapiens hyperpolarization-activated channel 1 (IH1) mRNA, partial cds//1.2e-08:586:58//Hs.124161:AF065164
 F-PLACE1001294//Homo sapiens mRNA for myosin phosphatase target subunit 1 (MYPT1)//0.91:221:61//Hs.16533:D87930
 15 F-PLACE1001304//Human zinc finger protein mRNA, complete cds//8.6e-08:370:60//Hs.42672:AF016052
 F-PLACE1001311//ESTs//1.7e-44:480:73//Hs.155384:Z78385
 F-PLACE1001323//ESTs//1.1e-25:151:95//Hs.134120:AA699591
 F-PLACE1001351
 F-PLACE1001366//Homo sapiens mRNA for KIAA0799 protein, partial cds//2.8e-26:155:95//Hs.61638:AB018342
 20 F-PLACE1001377//Homo sapiens ADAM10 (ADAM10) mRNA, complete cds//3.4e-44:393:79//Hs.152005:AF009615
 F-PLACE1001383//ESTs//1.0:159:65//Hs.128501:AA973748
 F-PLACE1001384//Homo sapiens multi PDZ domain protein MUPP1 (MUPP1) mRNA, complete cds//2.6e-09:117:84//Hs.21301:AF093419
 25 F-PLACE1001387//ESTs, Weakly similar to EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8 [H.sapiens]//0.00083:187:64//Hs.5399:N30646
 F-PLACE1001395//Homo sapiens mRNA for putative DNA methyltransferase, complete CDS//0.0038:496:57//Hs.97681:AJ223333
 F-PLACE1001399//Human melanoma antigen recognized by T-cells (MART-1) mRNA//7.0e-45:456:75//Hs.154069:U06452
 30 F-PLACE1001412//Homo sapiens clone 643 unknown mRNA, complete sequence//6.5e-71:365:96//Hs.110404:AF091087
 F-PLACE1001414//EST//1.2e-75:364:98//Hs.136622:AA633232
 F-PLACE1001440//ESTs//2.8e-05:163:66//Hs.141082:H18987
 35 F-PLACE1001456//EST//0.95:132:61//Hs.20373:R09510
 F-PLACE1001468//ESTs//0.00019:184:66//Hs.126536:AI379455
 F-PLACE1001484//EST//8.6e-18:190:76//Hs.160992:H52716
 F-PLACE1001502//Apolipoprotein E//2.5e-05:306:60//Hs.76260:M12529
 F-PLACE1001503
 40 F-PLACE1001517//ESTs//1.9e-12:138:78//Hs.120352:AA718914
 F-PLACE1001534//EST//0.015:121:65//Hs.144156:R85753
 F-PLACE1001545
 F-PLACE1001551
 F-PLACE1001570//EST//0.58:286:59//Hs.120202:AA728835
 45 F-PLACE1001602//Human POU domain protein (Brn-3b) mRNA, complete cds//0.013:159:66//Hs.266:U06233
 F-PLACE1001603//Homo sapiens nitrilase 1 (NIT1) mRNA, complete cds//1.1e-10:133:77//Hs.146406:AF069987
 F-PLACE1001608//ESTs//0.022:187:60//Hs.145915:AI342230
 F-PLACE1001610//ESTs//1.4e-77:377:97//Hs.115700:AA808005
 F-PLACE1001611//Human faciogenital dysplasia (FGD1) mRNA, complete cds//0.96:141:66//Hs.1572:U11690
 50 F-PLACE1001632//Homo sapiens mRNA for KIAA0798 protein, complete cds//3.4e-76:702:75//Hs.159277:AB018341
 F-PLACE1001634//ESTs//1.2e-43:260:92//Hs.134064:AI276198
 F-PLACE1001640
 F-PLACE1001672//EST//2.8e-21:201:82//Hs.123341:AA810927
 55 F-PLACE1001691//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds//2.8e-148:726:96//Hs.3688:AF069250
 F-PLACE1001692//ESTs, Highly similar to S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN [Rattus norvegicus]//1.1e-95:481:92//Hs.24309:AI125696

EP 1 074 617 A2

F-PLACE1001705//Human RNA polymerase III subunit (RPC39) mRNA, complete cds//6.0e-30:347:76//Hs.
 101555:U93869
 F-PLACE1001716//Human mRNA for KIAA0191 gene, partial cds//2.1e-69:369:73//Hs.12413:D83776
 F-PLACE1001720//ESTs//1.2e-27:146:99//Hs.106432:AI391686
 5 F-PLACE1001729//Homo sapiens mRNA for KIAA0522 protein, partial cds//0.0084:484:60//Hs.129892:AB011094
 F-PLACE1001739//Histidine-rich calcium binding protein//0.14:240:64//Hs.1480:M60052
 F-PLACE1001740//ESTs//4.9e-32:343:74//Hs.139158:AA226159
 F-PLACE1001745
 F-PLACE1001746//ESTs//7.0e-15:168:80//Hs.46601:N78361
 10 F-PLACE1001748//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds//2.8e-160:773:97//Hs.4812:
 AF061243
 F-PLACE1001756//Homo sapiens tapasin (NGS-17) mRNA, complete cds//2.7e-35:269:83//Hs.5247:AF029750
 F-PLACE1001761//ESTs//6.9e-27:159:93//Hs.78277:AA131283
 F-PLACE1001771//Human putative calcium influx channel (htrp3) mRNA, complete cds//3.4e-52:548:72//Hs.
 15 150981:U47050
 F-PLACE1001781
 F-PLACE1001799//EST//5.4e-07:145:70//Hs.121840:AA776115
 F-PLACE1001810//ESTs//0.024:134:67//Hs.43134:AA766138
 F-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds//
 20 3.6e-110:546:96//Hs.40820:AF058953
 F-PLACE1001821
 F-PLACE1001844//ESTs//5.4e-45:387:79//Hs.61199:AA024494
 F-PLACE1001845//ESTs//2.5e-47:232:100//Hs.120809:AA150214
 F-PLACE1001869//EST//1.0:139:59//Hs.122285:AA781906
 25 F-PLACE1001897//ESTs//0.29:348:57//Hs.139993:AI343257
 F-PLACE1001912//ESTs//4.0e-10:95:89//Hs.13475:R18220
 F-PLACE1001920//Homo sapiens TNF-induced protein GG2-1 mRNA, complete cds//4.0e-153:685:95//Hs.
 17839:AF099936
 F-PLACE1001928//H.sapiens HUMM9 mRNA//0.063:196:66//Hs.2750:X74837
 30 F-PLACE1001983//Homo sapiens Jagged 2 mRNA, complete cds//9.8e-06:431:58//Hs.106387:AF029778
 F-PLACE1001989
 F-PLACE1002004
 F-PLACE1002046
 F-PLACE1002052//Human mRNA for phospholipase C, complete cds//0.0092:465:58//Hs.153322:D42108
 35 F-PLACE1002066//EST//0.49:307:61//Hs.150652:AA908555
 F-PLACE1002072//EST//1.0:103:65//Hs.116488:F13707
 F-PLACE1002073//Homo sapiens mRNA for KIAA0606 protein, partial cds//4.2e-39:635:64//Hs.38176:AB011178
 F-PLACE1002090//Homo sapiens signal recognition particle 72 (SRP72) mRNA, complete cds//4.3e-83:388:99//
 Hs.5171:AF069765
 40 F-PLACE1002115//EST//0.18:215:62//Hs.135747:AI002637
 F-PLACE1002119//Human transcription factor ETR101 mRNA, complete cds//6.2e-13:384:61//Hs.737:M62831
 F-PLACE1002140//EST, Moderately similar to ALPHA-1-ANTITRYPSIN PRECURSOR [Homo sapiens]//0.89:60:
 75//Hs.144290:T61747
 F-PLACE1002150//ESTs//0.56:245:64//Hs.24119:AA115631
 45 F-PLACE1002157//Human mRNA for KIAA0392 gene, partial cds//2.8e-51:440:79//Hs.40100:AB002390
 F-PLACE1002163//ESTs//0.76:212:61//Hs.112494:AI366891
 F-PLACE1002170//ESTs//6.5e-09:108:76//Hs.41418:H90627
 F-PLACE1002171//ESTs//3.5e-81:493:89//Hs.122553:H66674
 F-PLACE1002205//Human clone 23695 mRNA sequence//0.00080:472:60//Hs.90798:U79289
 50 F-PLACE1002213//ESTs//0.041:146:67//Hs.119162:AA399989
 F-PLACE1002227//ESTs//9.4e-06:173:66//Hs.127882:AI024442
 F-PLACE1002256//ESTs//1.8e-93:440:99//Hs.128700:AA970935
 F-PLACE1002259//Human Line-1 repeat mRNA with 2 open reading frames//2.3e-75:434:83//Hs.23094:M19503
 F-PLACE1002319//ESTs//0.82:188:62//Hs.50918:AA036675
 55 F-PLACE1002342//EST//0.61:148:66//Hs.144319:AA280279
 F-PLACE1002395//ESTs//1.2e-18:168:83//Hs.3853:AA034291
 F-PLACE1002399//EST//0.0011:166:65//Hs.137500:AA436710
 F-PLACE1002433//ESTs//1.2e-14:151:80//Hs.161837:AA421067

EP 1 074 617 A2

F-PLACE1002437//Human ATP binding cassette transporter (ABCR) mRNA, complete cds//2.6e-23:458:66//Hs.40993:AF000148
F-PLACE1002438//EST//0.81:48:77//Hs.158575:AI368947
5 F-PLACE1002450//Homo sapiens KRAB domain zinc finger protein (ZFP37) mRNA, complete cds//7.1e-07:270:66//Hs.150406:AF022158
F-PLACE1002465
F-PLACE1002474//Homo sapiens mRNA for matrilin-4, partial//1.3e-14:369:63//Hs.129361:AJ007581
F-PLACE1002477//ESTs//3.5e-13:125:71//Hs.145032:AA343523
F-PLACE1002493
10 F-PLACE1002499
F-PLACE1002500//Human putative zinc transporter ZnT-3 (ZnT-3) mRNA, complete cds//4.3e-19:708:59//Hs.111967:U76010
F-PLACE1002514//ESTs//3.1e-07:178:66//Hs.70932:AA126482
F-PLACE1002529//Homo sapiens mRNA for KIAA0713 protein, partial cds//2.9e-144:583:95//Hs.88756:AB018256
15 F-PLACE1002532//Homo sapiens BAC clone RG300E22 from 7q21-q31.1//3.1e-115:566:96//Hs.99348:AC004774
F-PLACE1002537//Thiopurine S-methyltransferase//1.9e-28:198:86//Hs.51124:AF019369
F-PLACE1002571//Homo sapiens mRNA for TP53, complete cds//0.99:274:59//Hs.138202:AF027866
20 F-PLACE1002578//ESTs//7.3e-10:185:73//Hs.41418:H90627
F-PLACE1002583//EST//0.0028:348:61//Hs.160396:AI393725
F-PLACE1002591//Human mRNA for actin binding protein p57, complete cds//2.8e-27:279:74//Hs.109606:D44497
F-PLACE1002598//EST//0.011:209:62//Hs.131470:AI024187
25 F-PLACE1002604//EST//0.47:220:61//Hs.145434:AI198915
F-PLACE1002625
F-PLACE1002655//GELSOLIN PRECURSOR, PLASMA//1.7e-36:693:62//Hs.80562:X04412
F-PLACE1002665//EST//0.15:156:65//Hs.161793:AA380706
F-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds//1.1e-187:804:97//Hs.124903:AF068180
30 F-PLACE1002714//Human involucrin mRNA//3.6e-08:509:60//Hs.157091:M13903
F-PLACE1002722//Human protease-activated receptor 3 (PAR3) mRNA, complete cds//0.34:230:58//Hs.159196:U92971
F-PLACE1002768//EST//0.37:126:69//Hs.125353:AA877080
35 F-PLACE1002772//ESTs//0.0017:147:69//Hs.132439:AA923728
F-PLACE1002775//EST//5.5e-09:129:75//Hs.135336:AI049827
F-PLACE1002782//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//0.0031:298:62//Hs.26285:AF082516
F-PLACE1002794//ESTs//0.71:125:66//Hs.97441:AI368926
40 F-PLACE1002811//Human mRNA for KIAA0172 gene, partial cds//5.8e-46:567:70//Hs.77546:D79994
F-PLACE1002815
F-PLACE1002816//Homo sapiens mRNA for KIAA0600 protein, partial cds//4.3e-70:687:73//Hs.9028:AF039691
F-PLACE1002834//ESTs//2.6e-41:393:74//Hs.120206:AI089163
F-PLACE1002839//ESTs//0.26:177:63//Hs.149013:AI334167
45 F-PLACE1002851//EST//0.0034:102:72//Hs.129630:AI000405
F-PLACE1002853//ESTs//1.1e-20:136:90//Hs.125895:AA889024
F-PLACE1002881//Interleukin 10//1.1e-41:454:72//Hs.2180:M57627
F-PLACE1002908//ESTs//3.8e-48:325:88//Hs.54702:AI040029
F-PLACE1002941//ESTs//5.0e-18:128:88//Hs.17376:AA855056
50 F-PLACE1002962
F-PLACE1002968//ESTs, Highly similar to trg gene product [R.norvegicus]//0.031:372:59//Hs.8021:AI041815
F-PLACE1002991
F-PLACE1002993
F-PLACE1002996//ESTs, Weakly similar to T20D3.3 [C.elegans]//1.3e-12:104:86//Hs.124808:T86959
55 F-PLACE1003025//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0510//0.99:192:64//Hs.92660:AB007979
F-PLACE1003027//Homo sapiens mRNA for KIAA0516 protein, partial cds//2.0e-131:632:97//Hs.129872:AB011088

EP 1 074 617 A2

F-PLACE1003044//Homo sapiens mRNA for KIAA0667 protein, partial cds//2.7e-14:555:58//Hs.154740:AB014567
F-PLACE1003045
F-PLACE1003092//ESTs//1.1e-108:506:99//Hs.22119:AA885491
5 F-PLACE1003100//Human Hep27 protein mRNA, complete cds//2.9e-66:650:73//Hs.102137:U31875
F-PLACE1003108//EST//0.016:181:65//Hs.119762:AA703419
F-PLACE1003136
F-PLACE1003145
F-PLACE1003153//ESTs//3.1e-09:209:65//Hs.111583:AA463590
10 F-PLACE1003174//ESTs//0.073:97:69//Hs.12992:W01997
F-PLACE1003176//ESTs//3.3e-60:296:90//Hs.58239:AA215797
F-PLACE1003190//Homo sapiens C19steroid specific UDP-glucuronosyltransferase mRNA, complete cds//0.98:221:60//Hs.139756:U59209
F-PLACE1003200//EST//0.0021:309:60//Hs.140561:AA765532
15 F-PLACE1003205//EST//1.2e-07:204:65//Hs.147372:AI208770
F-PLACE1003238//ESTs//7.4e-62:343:94//Hs.121302:AA758208
F-PLACE1003249//Insulin-like growth factor 1 (somatomedia C)//0.99:175:62//Hs.85112:X57025
F-PLACE1003256
F-PLACE1003258//H.sapiens mRNA for ZYG homologue//0.00020:217:64//Hs.29285:X99802
20 F-PLACE1003296//ESTs//2.6e-14:80:86//Hs.155441:AA533106
F-PLACE1003302//Human repressor transcriptional factor (ZNF85) mRNA, complete cds//4.3e-51:700:67//Hs.37138:U35376
F-PLACE1003334
F-PLACE1003342//ESTs//0.94:310:57//Hs.131502:AI023308
25 F-PLACE1003343//EST//1.2e-09:114:77//Hs.103418:AA035568
F-PLACE1003353//Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete cds//2.6e-144:773:92//Hs.6564:U92715
F-PLACE1003361//ESTs, Weakly similar to ATP SYNTHASE A CHAIN [Trypanosoma brucei brucei]//8.9e-35:332:78//Hs.163820:H71277
30 F-PLACE1003366//Homo sapiens dysferlin mRNA, complete cds//7.9e-06:502:57//Hs.143897:AF075575
F-PLACE1003369//NUCLEOLIN//0.00037:282:60//Hs.79110:M60858
F-PLACE1003373//EST//1.1e-11:420:63//Hs.156592:AI343009
F-PLACE1003375//EST//0.75:119:68//Hs.160270:AI149069
F-PLACE1003383
35 F-PLACE1003394//ESTs, Highly similar to RAS-RELATED PROTEIN RAB-14 [Rattus norvegicus]//8.9e-113:590:94//Hs.125175:AI142546
F-PLACE1003401//ESTs//0.55:176:66//Hs.154292:AA886178
F-PLACE1003420//Macrophage stimulating 1 (hepatocyte growth factor-like)//0.40:206:62//Hs.30223:X90846
F-PLACE1003454//ESTs//0.98:74:72//Hs.127131:AA150912
40 F-PLACE1003478//EST//5.0e-06:183:69//Hs.127524:AA952874
F-PLACE1003493//Protein-tyrosine kinase 7//0.98:232:63//Hs.90572:U33635
F-PLACE1003516//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//3.4e-85:357:86//Hs.103948:K00627
F-PLACE1003519//ESTs//1.6e-33:288:72//Hs.159510:AA297145
F-PLACE1003521//H.sapiens mRNA for retrotransposon//1.4e-45:269:76//Hs.6940:Z48633
45 F-PLACE1003528//ESTs//0.65:120:68//Hs.162376:AA570248
F-PLACE1003537//ESTs, Weakly similar to ZK858.6 [C.elegans]//3.6e-110:543:97//Hs.120416:AA057428
F-PLACE1003553
F-PLACE1003566//ESTs//0.0015:508:59//Hs.5724:AA156780
F-PLACE1003575//Homo sapiens cdc14 homolog mRNA, complete cds//4.4e-05:499:58//Hs.65993:AF000367
50 F-PLACE1003583//ESTs//5.5e-19:448:63//Hs.161701:AA225932
F-PLACE1003584//EST//1.6e-46:263:94//Hs.147412:AI209194
F-PLACE1003592//ESTs, Moderately similar to !!!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens]//1.4e-50:287:93//Hs.154799:AA130620
F-PLACE1003593//ESTs//0.0025:318:61//Hs.106771:AA806965
55 F-PLACE1003596//Integral transmembrane protein 1//1.9e-54:685:68//Hs.89650:L38961
F-PLACE1003602//Homo sapiens mRNA expressed in placenta//3.4e-140:679:97//Hs.56851:D83200
F-PLACE1003605//Homo sapiens Cdc14B2 phosphatase mRNA, partial cds//0.00065:236:64//Hs.22116:AF064104

EP 1 074 617 A2

F-PLACE1003611//EST//0.00015:318:59//Hs.28788:R66896
 F-PLACE1003618//Human Line-1 repeat mRNA with 2 open reading frames//1.3e-122:737:87//Hs.23094:M19503
 F-PLACE1003625//ESTs//1.6e-16:103:96//Hs.111223:N51105
 F-PLACE1003638//ESTs//0.60:305:57//Hs.19104:W07762
 5 F-PLACE1003669//ESTs, Weakly similar to 3-7 gene product [H.sapiens]//0.021:445:58//Hs.158275:AI365413
 F-PLACE1003704//Human mRNA for KIAA0301 gene, partial cds//0.014:622:56//Hs.76730:AB002299
 F-PLACE1003709//Homo sapiens protein kinase (BUB1) mRNA, complete cds//1.4e-133:669:95//Hs.98658:AF053305
 F-PLACE1003711//ESTs//2.2e-14:178:77//Hs.114831:T57101
 10 F-PLACE1003723//Homo sapiens mRNA for T lymphocyte specific adaptor protein//8.5e-09:393:60//Hs.103527:AJ000553
 F-PLACE1003738//ESTs, Weakly similar to ZINC FINGER PROTEIN 84 [H.sapiens]//1.8e-53:260:99//Hs.102928:AI346344
 F-PLACE1003760//ESTs//5.1e-08:334:63//Hs.43675:AA805648
 15 F-PLACE1003762//ESTs//1.0:59:83//Hs.29863:W28983
 F-PLACE1003768//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//2.7e-40:608:68//Hs.139107:K00629
 F-PLACE1003771//ESTs//6.6e-10:226:65//Hs.15776:T91944
 F-PLACE1003783
 F-PLACE1003784//Homo sapiens mRNA for KIAA0765 protein, partial cds//1.0:457:57//Hs.62318:AB018308
 20 F-PLACE1003795//Human homologue of yeast sec7 mRNA, complete cds//0.85:314:60//Hs.1050:M85169
 F-PLACE1003833//ESTs, Weakly similar to C27H6.5 [C.elegans]//0.00059:201:68//Hs.40806:AA018786
 F-PLACE1003850//ESTs//0.0088:220:61//Hs.145504:AI254165
 F-PLACE1003858//EST//0.77:137:61//Hs.146935:AI168124
 F-PLACE1003864//ESTs//0.11:225:59//Hs.160910:AI370359
 25 F-PLACE1003870//EST//7.2e-18:283:69//Hs.135497:AI091257
 F-PLACE1003885//H.sapiens PAP mRNA//2.4e-75:759:72//Hs.49007:X76770
 F-PLACE1003886
 F-PLACE1003888//Human mRNA for phospholipase C, complete cds//8.4e-55:702:67//Hs.153322:D42108
 F-PLACE1003892//ESTs//2.4e-13:258:67//Hs.28039:H24050
 30 F-PLACE1003900//ESTs//3.5e-14:271:66//Hs.28589:AI004944
 F-PLACE1003903//CTP synthetase//1.6e-49:528:71//Hs.84112:X52142
 F-PLACE1003915//ESTs, Highly similar to ARGINYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR [Saccharomyces cerevisiae]//1.2e-49:251:98//Hs.65831:F03069
 F-PLACE1003923//Interferon, alpha 16//0.48:278:60//Hs.56303:M28585
 35 F-PLACE1003932//EST//0.00060:221:63//Hs.163044:AA707537
 F-PLACE1003936//ESTs//0.86:211:62//Hs.150751:AI123536
 F-PLACE1003968//Human 5'-AMP-activated protein kinase, gamma-1 subunit mRNA, complete cds//2.0e-47:522:71//Hs.3136:U42412
 F-PLACE1004103//ESTs//8.6e-35:226:89//Hs.78973:AI026812
 40 F-PLACE1004104//ESTs//1.0:179:61//Hs.163935:AA506940
 F-PLACE1004114//ESTs//1.3e-52:323:89//Hs.35156:AA148516
 F-PLACE1004118//Spleen focus forming virus (SFFV) proviral' integration oncogene spi1//0.85:164:64//Hs.153045:X52056
 F-PLACE1004128//Guanine nucleotide binding protein (G protein), beta polypeptide 1//3.1e-41:422:74//Hs.3620:X04526
 45 F-PLACE1004149//ESTs, Weakly similar to F48F7.1 [C.elegans]//8.2e-82:418:96//Hs.156161:AI333779
 F-PLACE1004156//ESTs//0.10:166:63//Hs.133279:AI053552
 F-PLACE1004161//Human mRNA for KIAA0200 gene, complete cds//0.85:269:64//Hs.76986:D83785
 F-PLACE1004183//EST//1.3e-40:224:94//Hs.156603:AI343666
 50 F-PLACE1004197//ESTs//2.8e-91:441:98//Hs.97269:AA292201
 F-PLACE1004203//Homo sapiens GPI-anchored membrane protein CDw108 precursor, mRNA, complete cds//1.3e-145:695:98//Hs.24640:AF069493
 F-PLACE1004242//ESTs//0.99:213:60//Hs.117311:AA699722
 F-PLACE1004256//EST//0.019:364:58//Hs.122395:AA789273
 55 F-PLACE1004257//ESTs//0.77:154:64//Hs.112582:AA608689
 F-PLACE1004258//ESTs, Weakly similar to vanilloid receptor subtype 1 [R.norvegicus]//1.1e-98:479:97//Hs.31718:N29128
 F-PLACE1004270//Homo sapiens CAGF9 mRNA, partial cds//0.00010:369:63//Hs.110826:U80736

EP 1 074 617 A2

- F-PLACE1004274//Homo sapiens mRNA for KIAA0445 protein, complete cds//0.085:573:56//Hs.154139:AB007914
- F-PLACE1004277//Homo sapiens two pore domain K+ channel (TASK-2) mRNA, complete cds//2.0e-157:756:97//Hs.127007:AF084830
- 5 F-PLACE1004284//ESTs//3.6e-71:344:99//Hs.145870:AI271884
- F-PLACE1004289//ESTs//2.6e-57:370:85//Hs.16740:AA586576
- F-PLACE1004302//FACTOR VIII INTRON 22 PROTEIN//0.032:513:59//Hs.83363:M34677
- F-PLACE1004316//H.sapiens mRNA for apoptosis specific protein//9.3e-152:797:94//Hs.11171:Y11588
- F-PLACE1004336
- 10 F-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds//1.9e-140:688:97//Hs.16232:AF100153
- F-PLACE1004376//ESTs, Weakly similar to F27D4.4 [C.elegans]//3.9e-109:521:98//Hs.14079:AA306552
- F-PLACE1004384//Human HsLIM15 mRNA for HsLim15, complete cds//2.0e-49:466:76//Hs.37181:D64108
- F-PLACE1004388
- 15 F-PLACE1004405//EST//0.010:191:64//Hs.147600:AI217871
- F-PLACE1004425//ESTs//2.1e-20:124:80//Hs.94195:W03579
- F-PLACE1004428//H.sapiens mRNA for Branched chain Acyl-CoA Oxidase//1.0:552:58//Hs.9795:X95190
- F-PLACE1004437//Human NAD+-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene encoding mitochondrial protein, complete cds//9.9e-131:536:99//Hs.155410:U49283
- 20 F-PLACE1004451//ESTs//5.9e-18:203:73//Hs.156097:AI348867
- F-PLACE1004460
- F-PLACE1004467//ESTs//8.0e-17:345:66//Hs.112993:AA824363
- F-PLACE1004471//EST//9.3e-69:463:84//Hs.116391:AA644085
- F-PLACE1004473//ESTs//0.93:358:58//Hs.33263:AA724416
- 25 F-PLACE1004491//EST//2.5e-58:285:99//Hs.97603:AA398163
- F-PLACE1004506//CD81 ANTIGEN//7.2e-06:228:63//Hs.54457:M33680
- F-PLACE1004510//Homo sapiens cofactor of initiator function (CIF150) mRNA, complete cds//2.5e-147:699:97//Hs.122752:AF026445
- F-PLACE1004516//EST//1.0e-26:343:71//Hs.142595:N24150
- 30 F-PLACE1004518
- F-PLACE1004548//EST//0.84:193:62//Hs.99583:AA461314
- F-PLACE1004550//ESTs, Weakly similar to No definition line found [C.elegans]//4.0e-120:627:94//Hs.107387:AA058854
- F-PLACE1004564//EST//1.0:240:62//Hs.16824:T91371
- 35 F-PLACE1004629//Centromere protein B (80kD)//0.0015:242:64//Hs.85004:X05299
- F-PLACE1004645
- F-PLACE1004646//Retinal pigment epithelium-specific protein (65kD)//1.4e-12:386:63//Hs.2133:U18991
- F-PLACE1004658//ESTs//0.52:273:61//Hs.97252:AA291590
- F-PLACE1004664
- 40 F-PLACE1004672//Human ABL gene, exon 1b and intron 1b, and putative M8604 Met protein (M8604 Met) gene//1.5e-66:357:95//Hs.77705:U07563
- F-PLACE1004674//Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds//1.4e-110:625:91//Hs.80019:AF035606
- F-PLACE1004681//EST//0.00092:303:61//Hs.149560:AI281589
- 45 F-PLACE1004686//ESTs//3.0e-31:186:76//Hs.139130:AA704561
- F-PLACE1004691//Homo sapiens clone 23963 mRNA sequence//0.54:242:61//Hs.48483:AF007131
- F-PLACE1004693//ESTs, Weakly similar to pot. ORF III [H.sapiens]//0.56:96:71//Hs.125740:AA884845
- F-PLACE1004716//ESTs//2.0e-79:388:98//Hs.150999:AI306542
- F-PLACE1004722//ESTs//7.5e-06:105:72//Hs.128796:AA485891
- 50 F-PLACE1004736//ESTs//1.7e-27:203:86//Hs.119593:AA700148
- F-PLACE1004740//ESTs//1.0e-25:174:89//Hs.29696:AA910680
- F-PLACE1004743
- F-PLACE1004751//ESTs, Highly similar to CMP-N-ACETYLNEURAMINATE-BETA-1,4-GALACTOSIDE ALPHA-2,3-SIALYLTRANSFERASE [Rattus norvegicus]//2.0e-41:260:90//Hs.6863:W52470
- 55 F-PLACE1004773//Homo sapiens inversin protein mRNA, complete cds//1.7e-172:828:97//Hs.104715:AF084367
- F-PLACE1004777//Human myosin IXb mRNA, complete cds//1.0e-29:556:63//Hs.159629:U42391
- F-PLACE1004793
- F-PLACE1004804

- F-PLACE1004813//EST//2.8e-42:296:83//Hs.155725:AI310340
 F-PLACE1004814//ESTs, Weakly similar to U1 SMALL NUCLEAR RIBONUCLEOPROTEIN 70 KD [Xenopus laevis]/2.4e-78:415:95//Hs.80965:AA493284
 F-PLACE1004815//Human mRNA for KIAA0364 gene, complete cds//4.3e-14:294:69//Hs.22111:AB002362
 5 F-PLACE1004824//ESTs//0.0072:128:69//Hs.164062:AA934047
 F-PLACE1004827//ESTs//0.78:38:100//Hs.18925:W30943
 F-PLACE1004836//Homo sapiens Notch3 (NOTCH3) mRNA, complete cds//0.78:338:57//Hs.8546:U97669
 F-PLACE1004838
 F-PLACE1004840//Protein phosphatase 1, catalytic subunit, beta isoform//0.89:200:66//Hs.21537:X80910
 10 F-PLACE1004868
 F-PLACE1004885//ESTs//0.41:181:61//Hs.116796:AA633772
 F-PLACE1004900
 F-PLACE1004902//ESTs//4.7e-72:367:96//Hs.54971:AI424382
 F-PLACE1004913//ESTs//0.031:166:63//Hs.130110:AA904929
 15 F-PLACE1004918//Human tumor susceptibility protein (TSG101) mRNA, complete cds//4.1e-24:402:64//Hs.118910:U82130
 F-PLACE1004930//Homo sapiens TNF-induced protein GG2-1 mRNA, complete cds//9.7e-86:519:88//Hs.17839:AF099936
 F-PLACE1004934//ESTs//7.2e-43:231:78//Hs.133503:AA628592
 20 F-PLACE1004937//ESTs//0.97:80:68//Hs.144264:C00851
 F-PLACE1004969
 F-PLACE1004972//Human retinoic acid- and interferon-inducible 58K protein RI58 mRNA, complete cds//0.031:235:60//Hs.27610:U34605
 F-PLACE1004979//Homo sapiens mRNA for KIAA0575 protein, complete cds//4.9e-43:331:83//Hs.153468:AB011147
 25 F-PLACE1004982//ESTs//0.020:148:63//Hs.129377:AI218520
 F-PLACE1004985//ESTs//7.9e-05:372:61//Hs.87606:AA242831
 F-PLACE1005026//ESTs//4.6e-29:212:89//Hs.137451:AA351459
 F-PLACE1005027//ESTs//6.5e-91:455:97//Hs.30890:H15159
 30 F-PLACE1005046//ESTs//3.7e-56:250:96//Hs.152730:AI308943
 F-PLACE1005052//EST//1.8e-36:370:73//Hs.123424:AA813594
 F-PLACE1005055//Homo sapiens mRNA for KIAA0576 protein, partial cds//6.2e-161:761:98//Hs.14687:AB011148
 F-PLACE1005066//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//3.0e-11:757:56//Hs.122967:AF059569
 35 F-PLACE1005077//EST//0.79:283:591//Hs.89276:AA283899
 F-PLACE1005085//ESTs//3.5e-18:231:72//Hs.142654:AA324740
 F-PLACE1005086//Homo sapiens mRNA for KIAA0575 protein, complete cds//1.9e-49:401:80//Hs.153468:AB011147
 40 F-PLACE1005101//Homo sapiens (clone zap128) mRNA, 3' end of cds//8.2e-20:194:80//Hs.75437:L40401
 F-PLACE1005102//Homo sapiens HIV-1 inducer of short transcripts binding protein (FBI1) mRNA, complete cds//8.9e-18:538:62//Hs.104640:AF000561
 F-PLACE1005108//Treacher Collins syndrome susceptibility protein//0.73:405:57//Hs.73166:U76366
 F-PLACE1005111//ESTs//0.66:191:63//Hs.106446:N93227
 45 F-PLACE1005128//Breakpoint cluster region protein BCR//5.6e-08:291:63//Hs.2557:Y00661
 F-PLACE1005146//ESTs, Weakly similar to hypothetical protein II [H.sapiens]//4.8e-12:360:63//Hs.142177:H11741
 F-PLACE1005162//Human mRNA for KIAA0118 gene, partial cds//3.9e-49:563:72//Hs.154326:D42087
 F-PLACE1005176//Homo sapiens mRNA for KIAA0641 protein, complete cds//0.82:259:60//Hs.128316:AB014541
 50 F-PLACE1005181//ESTs, Weakly similar to No definition line found [C.elegans]//4.4e-126:583:99//Hs.25347:AI138605
 F-PLACE1005187//ESTs//6.2e-34:222:90//Hs.124265:N70417
 F-PLACE1005206//EST//0.089:167:62//Hs.140487:AA767009
 55 F-PLACE1005232//ESTs, Weakly similar to synapse-associated protein sap47-1 [D.melanogaster]//0.56:192:60//Hs.47334:W72370
 F-PLACE1005243
 F-PLACE1005261//ESTs//0.52:245:58//Hs.6682:T76941

EP 1 074 617 A2

F-PLACE1005266//Kallmann syndrome 1 sequence//7.8e-06:484:60//Hs.89591:M97252
F-PLACE1005277//Homo sapiens mRNA for KIAA0610 protein, partial cds//5.1e-150:706:98//Hs.118087:AB011182
F-PLACE1005287//ESTs//8.1e-107:501:99//Hs.145703:AA447947
5 F-PLACE1005305//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL//4.4e-37:597:66//Hs.101642:X60673
F-PLACE1005308//High-mobility group (nonhistone chromosomal) protein 2//0.83:239:62//Hs.80684:X62534
F-PLACE1005313
F-PLACE1005327//ESTs, Weakly similar to No definition line found [C.elegans]//6.0e-81:459:91//Hs.146177:R51650
10 F-PLACE1005331//Homo sapiens chromosome 19, cosmid F20569//3.7e-66:412:88//Hs.134031:AC004794
F-PLACE1005335//Homo sapiens mRNA for KIAA0754 protein, partial cds//0.96:510:56//Hs.159183:AB018297
F-PLACE1005373
F-PLACE1005374//ESTs//7.5e-77:437:91//Hs.143266:AI141348
15 F-PLACE1005409//ESTs//2.4e-05:267:63//Hs.163307:AA856751
F-PLACE1005453//ESTs//0.12:333:58//Hs.134672:AI087951
F-PLACE1005467//HOMEBOX/POU DOMAIN PROTEIN RDC-1//0.0043:148:67//Hs.74095:L20433
F-PLACE1005471//ESTs//3.4e-24:135:97//Hs.49275:N66925
F-PLACE1005477//Human Line-1 repeat mRNA with 2 open reading frames//3.5e-126:744:87//Hs.23094:M19503
20 F-PLACE1005480//ESTs//3.7e-26:184:70//Hs.113198:N39323
F-PLACE1005481//EST//0.27:153:64//Hs.120066:AA707973
F-PLACE1005494//ESTs//2.4e-50:257:98//Hs.159003:AA633029
F-PLACE1005502//ESTs//0.15:408:57//Hs.45106:AA504105
F-PLACE1005526//ESTs//3.2e-61:305:98//Hs.122574:AA776747
25 F-PLACE1005528//ESTs//9.9e-32:249:78//Hs.142531:N91572
F-PLACE1005530//ESTs//1.0e-94:491:95//Hs.131731:AI339335
F-PLACE1005550//ESTs//0.084:290:58//Hs.157775:AI359385
F-PLACE1005554//EST//0.38:213:58//Hs.102749:N64144
F-PLACE1005557//ESTs, Highly similar to MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L2 PRECURSOR
30 [Saccharomyces cerevisiae]//4.5e-51:258:97//Hs.7736:W81261
F-PLACE1005574//ESTs//3.2e-09:236:66//Hs.146884:AI160278
F-PLACE1005584//Fragile X mental retardation 2//1.2e-05:151:69//Hs.54472:U48436
F-PLACE1005595//ESTs//2.1e-98:512:95//Hs.118552:W74594
F-PLACE1005603//EST//1.0:90:66//Hs.111204:AA211851
35 F-PLACE1005611//ESTs, Weakly similar to B0035.14 [C.elegans]//3.5e-32:197:92//Hs.8241:AA283057
F-PLACE1005623//ESTs//3.0e-30:191:92//Hs.77570:N48234
F-PLACE1005630//ESTs//2.3e-32:175:97//Hs.122278:AA781867
F-PLACE1005639//ESTs//0.88:218:58//Hs.117389:AA701991
F-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds//2.1e-151:721:98//Hs.8765:AF083255
40 F-PLACE1005656//Ribonucleotide reductase M2 polypeptide//3.9e-53:480:74//Hs.75319:X59618
F-PLACE1005666//Homo sapiens mRNA for KIAA0448 protein, complete cds//0.086:223:59//Hs.27349:AB007917
F-PLACE1005698//Human membrane-associated lectin type-C mRNA//6.1e-65:374:85//Hs.23759:M98457
45 F-PLACE1005727//ESTs//8.7e-65:330:96//Hs.127027:AA935437
F-PLACE1005730//ESTs//2.9e-14:270:67//Hs.28589:AI004944
F-PLACE1005739//Homo sapiens mRNA for serin protease with IGF-binding motif, complete cds//0.75:289:59//Hs.75111:D87258
F-PLACE1005755//Insulin-like growth factor binding protein 2//3.6e-05:377:62//Hs.162:X16302
50 F-PLACE1005763//ESTs, Highly similar to S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN [Rattus norvegicus]//5.7e-49:252:88//Hs.24309:AI125696
F-PLACE1005799//ESTs//5.2e-13:392:58//Hs.110530:AA191493
F-PLACE1005802
F-PLACE1005803
55 F-PLACE1005804//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds//4.5e-128:636:96//Hs.125315:AF027156
F-PLACE1005813//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds//8.4e-156:739:98//Hs.11183:AF065482

EP 1 074 617 A2

F-PLACE1005828//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.1e-42:327:81//Hs.138404:R70986
F-PLACE1005834//Retinoblastoma 1 (including osteosarcoma)//0.038:436:58//Hs.75770:L41870
F-PLACE1005845//ESTs//4.8e-50:309:89//Hs.107149:AI379497
5 F-PLACE1005850//ESTs//7.1e-40:253:79//Hs.158096:AA186905
F-PLACE1005851//ESTs//7.6e-93:483:95//Hs.135608:AA732242
F-PLACE1005876//ESTs//0.97:282:60//Hs.98664:AI381487
F-PLACE1005884//ESTs//0.070:276:60//Hs.106057:AI031552
F-PLACE1005890//ESTs//1.5e-91:500:93//Hs.136993:AA843300
10 F-PLACE1005898
F-PLACE1005921
F-PLACE1005923//ESTs//0.50:308:58//Hs.52489:R61504
F-PLACE1005925//ESTs//0.024:93:68//Hs.149868:AI288274
F-PLACE1005932//TYROSINE-PROTEIN KINASE RECEPTOR EPH PRECURSOR//0.97:342:57//Hs.89839:
15 M18391
F-PLACE1005934//ESTs//8.6e-10:74:93//Hs.25092:AA922142
F-PLACE1005936//DNA excision repair protein ERCC5//1.0:144:63//Hs.48576:X69978
F-PLACE1005951//B94 PROTEIN//0.00025:371:61//Hs.75522:M92357
F-PLACE1005953//ESTs//2.8e-06:290:61//Hs.140996:R73468
20 F-PLACE1005955//ESTs, Weakly similar to Y53C12A.3 [C.elegans]//0.15:136:66//Hs.107747:AI357868
F-PLACE1005966//Human zinc finger/leucine zipper protein (AF10) mRNA, complete cds//1.0:215:63//Hs.7885:U13948
F-PLACE1005968
F-PLACE1005990
25 F-PLACE1006002//Putative mismatch repair/binding protein hMSH3//1.9e-48:312:77//Hs.42674:U61981
F-PLACE1006003//EST//0.00018:171:67//Hs.138882:W73256
F-PLACE1006011
F-PLACE1006017//ESTs//3.1e-21:159:88//Hs.142173:AA757743
F-PLACE1006037//Homo sapiens mRNA for KIAA0789 protein, complete cds//0.021:202:64//Hs.158319:
30 AB018332
F-PLACE1006040//Homo sapiens mRNA for alpha endosulfine//1.1e-148:719:97//Hs.98782:X99906
F-PLACE1006076//EST//0.29:92:64//Hs.161536:N80395
F-PLACE1006119//Homo sapiens Ran-GTP binding protein mRNA, partial cds//4.1e-147:679:99//Hs.4976:AF039023
35 F-PLACE1006129
F-PLACE1006139
F-PLACE1006143//Human mRNA for KIAA0355 gene, complete cds//9.3e-43:357:79//Hs.153014:AB002353
F-PLACE1006157//ESTs, Weakly similar to ETX1 (alternatively spliced) [H.sapiens]//2.9e-12:119:84//Hs.23153:R92857
40 F-PLACE1006159//ESTs//2.3e-87:443:96//Hs.23740:H17868
F-PLACE10061641//ESTs//0.099:223:60//Hs.8108:AA902721
F-PLACE1006167//Homo sapiens chromosome 19, cosmid F23149//1.1e-68:333:92//Hs.152894:AC005239
F-PLACE1006170//ESTs//0.081:171:67//Hs.135187:AI074005
F-PLACE1006187//Homo sapiens cyclin E2 mRNA, complete cds//1.2e-150:694:99//Hs.30464:AF091433
45 F-PLACE1006195//ESTs//8.9e-14:229:70//Hs.141470:N49608
F-PLACE1006196//ESTs, Weakly similar to protein synthesis initiation factor 4A-II homolog//3.5e-59:369:88//Hs.135623:AA134719
F-PLACE1006205
F-PLACE1006223//ESTs, Weakly similar to TERATOCARCINOMA-DERIVED GROWTH FACTOR 1 [H.sapiens]
50 //0.0089:166:63//Hs.127179:AI279486
F-PLACE1006225
F-PLACE1006236//EST//0.060:89:69//Hs.136977:AA830668
F-PLACE1006239//ESTs//0.028:105:66//Hs.142336:AA358185
F-PLACE1006246//ESTs//0.060:330:60//Hs.105695:AI085802
55 F-PLACE1006248//Homo sapiens mRNA for KIAA0648 protein, partial cds//7.3e-168:791:98//Hs.31921:AB014548
F-PLACE1006262
F-PLACE1006288//Homo sapiens mRNA for Pex3 protein//4.8e-37:186:100//Hs.7277:AJ001625

EP 1 074 617 A2

F-PLACE1006318
 F-PLACE1006325//ESTs//3.7e-25:206:83//Hs.102319:AI246503
 F-PLACE1006335//ESTs//2.0e-27:161:95//Hs.163529:AI361492
 F-PLACE1006357//ESTs//0.013:268:61//Hs.105775:AA526249
 5 F-PLACE1006360//ESTs//4.8e-27:146:98//Hs.100739:Z98481
 F-PLACE1006368//Homo sapiens clone 24540 mRNA sequence//0.65:272:59//Hs.153529:AF070581
 F-PLACE1006371//Homo sapiens jerky gene product homolog mRNA, complete cds//2.6e-07:403:61//Hs.105940:AF004715
 F-PLACE1006382//EST//0.98:77:68//Hs.136933:AA814693
 10 F-PLACE1006385//Homo sapiens epsin 2b mRNA, complete cds//1.6e-111:539:97//Hs.22396:AF062085
 F-PLACE1006412//Human mRNA for KIAA0298 gene, complete cds//1.0e-36:424:74//Hs.21560:AB002296
 F-PLACE1006414//Homo sapiens PCAF associated factor 65 alpha mRNA, complete cds//4.3e-111:525:98//Hs.131846:AF069735
 F-PLACE1006438//Homo sapiens mRNA for KIAA0557 protein, partial cds//2.2e-24:531:65//Hs.101414:AB011129
 15 F-PLACE1006445//Homo sapiens chromosome 16 zinc finger protein ZNF200 (ZNF200) mRNA, complete cds//1.0:248:60//Hs.88219:AF060866
 F-PLACE1006469//Human SA mRNA for SA gene product, complete cds//0.24:210:62//Hs.89659:AC004381
 F-PLACE1006470
 20 F-PLACE1006482//Homo sapiens basic-leucine zipper transcription factor MafK (MAFK) mRNA, complete cds//5.0e-46:520:71//Hs.131953:AF059194
 F-PLACE1006488//ESTs//6.2e-47:239:97//Hs.158161:AA312511
 F-PLACE1006492//ESTs//0.82:37:100//Hs.160417:AA488493
 F-PLACE1006506//HUMAN IMMUNODEFICIENCY VIRUS TYPE I ENHANCER-BINDING PROTEIN 2//0.98:505:56//Hs.75063:AL023584
 25 F-PLACE1006521//ESTs//0.032:222:63//Hs.23171:AA706542
 F-PLACE1006531//EST//2.1e-53:258:100//Hs.117316:AA699358
 F-PLACE1006534//EST//1.8e-07:78:89//Hs.157551:AI356219
 F-PLACE1006540//Homo sapiens mRNA for cadherin-6, complete cds//0.96:383:58//Hs.32963:D31784
 30 F-PLACE1006552//Human (clone N5-4) protein p84 mRNA, complete cds//0.058:464:57//Hs.1540:L36529
 F-PLACE1006598//Homo sapiens mRNA for KIAA0737 protein, complete cds//4.1e-17:372:65//Hs.17630:AB018280
 F-PLACE1006615//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds//2.2e-168:781:99//Hs.155377:U97670
 35 F-PLACE1006617//ESTs//6.0e-08:354:60//Hs.42624:H99088
 F-PLACE1006626//NUCLEOLIN//0.0044:186:66//Hs.79110:M60858
 F-PLACE1006629//Homo sapiens (clone s22171) mRNA fragment//0.097:229:63//Hs.26956:L40396
 F-PLACE1006640//ESTs//0.00019:380:59//Hs.13672:AI131473
 F-PLACE1006673//ESTs, Weakly similar to T14B4.2 gene product [C.elegans]//1.6e-12:113:83//Hs.3385:N25917
 40 F-PLACE1006678
 F-PLACE1006704//Homo sapiens ALR mRNA, complete cds//0.16:284:60//Hs.153638:AF010403
 F-PLACE1006731//Homo sapiens SOX22 protein (SOX22) mRNA, complete cds//1.6e-05:382:63//Hs.43627:U35612
 F-PLACE1006754//Biliary glycoprotein//8.9e-27:305:72//Hs.50964:X16354
 45 F-PLACE1006760//ESTs//0.10:207:62//Hs.152589:AA954152
 F-PLACE1006779//Kallmann syndrome 1 sequence//0.00025:251:64//Hs.89591:M97252
 F-PLACE1006782//ESTs//1.2e-90:423:100//Hs.132826:AI075783
 F-PLACE1006792//ESTs//1.5e-10:439:58//Hs.138501:AI051228
 F-PLACE1006795//TYROSINE-PROTEIN KINASE RECEPTOR ETK1 PRECURSOR//4.5e-10:84:95//Hs.123642:M83941
 50 F-PLACE1006800//ESTs//0.00068:360:61//Hs.157876:AI422017
 F-PLACE1006805//ESTs//4.6e-103:491:98//Hs.140465:AA769892
 F-PLACE1006815//Homo sapiens mRNA for KIAA0618 protein, complete cds//0.47:403:56//Hs.15832:AB014518
 F-PLACE1006819//Human Line-1 repeat mRNA with 2 open reading frames//3.7e-103:619:87//Hs.23094:M19503
 55 F-PLACE1006829//ESTs//1.5e-22:141:94//Hs.142988:AA142876
 F-PLACE1006860//EST//0.0062:206:65//Hs.158793:AI376773
 F-PLACE1006867//ESTs//0.068:218:62//Hs.91166:AA551273
 F-PLACE1006878//Homo sapiens mRNA for KIAA0711 protein, complete cds//1.0:268:58//Hs.5333:AB018254

EP 1 074 617 A2

F-PLACE1006883//ESTs//1.6e-75:398:94//Hs.119544:T95601
 F-PLACE1006901//ESTs//1.9e-13:87:96//Hs.134737:A1089187
 F-PLACE1006904//EST//1.0:91:70//Hs.148270:AA906443
 F-PLACE1006917
 5 F-PLACE1006932//ESTs//0.98:110:70//Hs.100855:A1423913
 F-PLACE1006935//EST//1.0:92:65//Hs.124554:AA847211
 F-PLACE1006956//PERIPHERIN//0.13:443:57//Hs.37044:L14565
 F-PLACE1006958//Heat shock 70kD protein 4//6.4e-40:456:70//Hs.127:L12723
 F-PLACE1006961//ESTs, Highly similar to RSP5 PROTEIN [Saccharomyces cerevisiae]//3.2e-07:67:98//Hs.
 10 21806:AA630312
 F-PLACE1006962//H.sapiens ir1B mRNA//2.3e-16:202:71//Hs.135202:X63417
 F-PLACE1006966//Homo sapiens syntaxin 4 binding protein UNC-18c (UNC-18c) mRNA, complete cds//0.14:
 191:67//Hs.8813:AF032922
 F-PLACE1006989//Cyclin B1//0.99:224:59//Hs.23960:M25753
 15 F-PLACE1007014//Homo sapiens NBMPR-insensitive nucleoside transporter ei (ENT2) mRNA, complete cds//
 3.1e-05:594:58//Hs.32951:AF034102
 F-PLACE1007021//ESTs//7.2e-89:446:96//Hs.7111:U55971
 F-PLACE1007045//Human Line-1 repeat mRNA with 2 open reading frames//1.0e-117:775:84//Hs.23094:M19503
 F-PLACE1007053//Homo sapiens mRNA for ARNO3 protein//0.35:63:82//Hs.129811:AJ223957
 20 F-PLACE1007068//Polycystic kidney disease 1 (autosomal dominant)//0.22:361:60//Hs.75813:L33243
 F-PLACE1007097//ESTs//2.9e-25:197:83//Hs.105665:H78987
 F-PLACE1007105//Amylo-1,6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glyco-
 gen storage disease type III)//0.18:268:63//Hs.904:U84010
 F-PLACE1007111//EST//0.0066:260:60//Hs.147903:AI223385
 25 F-PLACE1007112
 F-PLACE1007132//ESTs//3.1e-30:195:76//Hs.46158:A160121
 F-PLACE1007140//TRANSCRIPTION ELONGATION FACTOR S-II//0.13:302:60//Hs.78869:M81601
 F-PLACE1007178//ESTs//9.6e-54:289:95//Hs.12251:H12965
 F-PLACE1007226//Homo sapiens Notch3 (NOTCH3) mRNA, complete cds//0.00090:412:59//Hs.8546:U97669
 30 F-PLACE1007238//Human plectin (PLEC1) mRNA, complete cds//1.4e-07:492:64//Hs.79706:U53204
 F-PLACE1007239//Human mRNA for transcription elongation factor S-II, hS-II-T1, complete cds//2.0e-58:405:87//
 Hs.80598:D50495
 F-PLACE1007242//EST//0.014:55:89//Hs.88432:AA262141
 F-PLACE1007243//ESTs//2.0e-43:227:97//Hs.124775:AA648467
 35 F-PLACE1007257//Homo sapiens mRNA for dia-156 protein//3.7e-144:677:98//Hs.121556:Y15909
 F-PLACE1007274
 F-PLACE1007276//ATPase, Cu++ transporting, alpha polypeptide (Menkes syndrome)//0.94:167:64//Hs.606:
 L06133
 F-PLACE1007282
 40 F-PLACE1007286//ESTs//1.0e-25:333:71//Hs.134860:A1091436
 F-PLACE1007301//EST//0.78:171:61//Hs.160990:H52412
 F-PLACE1007317//Homo sapiens oxysterol 7alpha-hydroxylase (CYP7b1) mRNA, complete cds//0.88:298:58//
 Hs.144877:AF029403
 F-PLACE1007342
 45 F-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds//1.7e-121:
 567:98//Hs.76596:AF096870
 F-PLACE1007367//H.sapiens mRNA for MACH-alpha-2 protein//2.2e-55:532:77//Hs.19949:X98173
 F-PLACE1007375
 F-PLACE1007386//ESTs//0.00066:61:91//Hs.149318:A1248642
 50 F-PLACE1007402//EST//1.7e-06:193:65//Hs.132124:A1041287
 F-PLACE1007409//Homo sapiens mitoxantrone resistance protein 1 mRNA, partial sequence//3.8e-18:128:92//
 Hs.14387:AF093771
 F-PLACE1007416
 F-PLACE1007450//ESTs//2.6e-36:194:97//Hs.22359:A1024436
 55 F-PLACE1007452//EST//1.8e-34:197:94//Hs.134795:A1090359
 F-PLACE1007454//Homo sapiens (clone s153) mRNA fragment//2.6e-53:317:93//Hs.6445:L40391
 F-PLACE1007460//ESTs//0.0012:168:64//Hs.151708:AA554714
 F-PLACE1007478//ESTs//1.0e-42:440:74//Hs.141722:AA769103

EP 1 074 617 A2

F-PLACE1007484//ESTs//7.1e-18:127:91//Hs.100251:AA535975
 F-PLACE1007488
 F-PLACE1007507//ESTs//1.2e-99:274:98//Hs.123462:AA903385
 F-PLACE1007511//Keratin 19//4.2e-31:586:64//Hs.23761:Y00503
 5 F-PLACE1007524//ESTs//6.8e-71:356:97//Hs.163067:AA897296
 F-PLACE1007525//ESTs//0.073:242:59//Hs.128711:AA856979
 F-PLACE1007537//Homo sapiens PYRIN (MEFV) mRNA, complete cds//0.93:468:57//Hs.113283:AF018080
 F-PLACE1007544//ESTs//1.7e-74:360:98//Hs.128632:AI076755
 F-PLACE1007547//Homo sapiens mRNA for KIAA0661 protein, complete cds//1.0e-70:733:71//Hs.65238:
 10 AB014561
 F-PLACE1007557//EST//0.58:80:72//Hs.130267:AI001863
 F-PLACE1007583//ESTs//1.8e-46:234:98//Hs.155071:AA584257
 F-PLACE1007598//ESTs//1.7e-83:400:99//Hs.120206:AI089163
 F-PLACE1007618//Homo sapiens mRNA for KIAA0633 protein, partial cds//7.2e-12:778:56//Hs.33010:AB014533
 15 F-PLACE1007621
 F-PLACE1007632//ESTs//1.7e-32:175:97//Hs.122278:AA781867
 F-PLACE1007645
 F-PLACE1007649
 F-PLACE1007677//ESTs//3.0e-13:125:82//Hs.143382:AA476266
 20 F-PLACE1007688//ESTs//6.8e-06:311:61//Hs.132926:AI027055
 F-PLACE1007690//ESTs//1.9e-13:83:98//Hs.150088:AI348503
 F-PLACE1007697//TRANSFORMING GROWTH FACTOR BETA 1 PRECURSOR//0.99:216:63//Hs.1103:X02812
 F-PLACE1007705//Human mRNA for RTP, complete cds//4.8e-58:637:70//Hs.75789:D87953
 F-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds//4.1e-149:709:97//Hs.4812:
 25 AF061243
 F-PLACE1007725//ESTs, Weakly similar to No definition line found [C.elegans]//4.5e-36:233:89//Hs.108797:
 AA476815
 F-PLACE1007729//ESTs, Moderately similar to RETRO VIRUS-RELATED PROTEASE [H.sapiens]//0.00033:270:
 64//Hs.104129:AA923278
 30 F-PLACE1007730//Homo sapiens mRNA for KIAA0685 protein, complete cds//2.6e-156:728:98//Hs.153121:
 AB014585
 F-PLACE1007737//Coagulation factor II (thrombin) receptor//1.1e-18:364:68//Hs.159347:M62424
 F-PLACE1007743//ESTs//0.029:421:58//Hs.106090:AA457030
 F-PLACE1007746//ESTs//6.7e-55:330:89//Hs.153392:AI089469
 35 F-PLACE1007791//EST//0.39:261:62//Hs.145991:AI277656
 F-PLACE1007807//ESTs//2.0e-54:385:83//Hs.163930:AA640504
 F-PLACE1007810//ESTs//6.1e-53:416:81//Hs.152395:AA533107
 F-PLACE1007829//EST//0.28:271:61//Hs.125514:AA883841
 F-PLACE1007843//EST//0.020:307:59//Hs.145535:AI261635
 40 F-PLACE1007846//Human Line-1 repeat mRNA with 2 open reading frames//6.3e-38:396:77//Hs.23094:M19503
 F-PLACE1007852
 F-PLACE1007858//Homo sapiens mRNA for KIAA0766 protein, complete cds//1.3e-190:894:98//Hs.28020:
 AB018309
 F-PLACE1007866//ESTs//3.0e-50:333:86//Hs.15792:AI038387
 45 F-PLACE1007877
 F-PLACE1007897//EST//1.0:59:72//Hs.138770:N70943
 F-PLACE1007908//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//7.3e-156:755:97//Hs.
 92381:AB007956
 F-PLACE1007946//ESTs//8.9e-16:250:68//Hs.88527:N24002
 50 F-PLACE1007954//ESTs//1.6e-05:76:90//Hs.63314:AA056538
 F-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds//8.9e-173:813:98//Hs.
 5671:AF084530
 F-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds//8.2e-155:
 730:98//Hs.78106:AF079529
 55 F-PLACE1007969//ESTs, Weakly similar to hnRNA-binding protein M4 [H.sapiens]//5.1e-45:264:92//Hs.42222:
 W28567
 F-PLACE1007990//ESTs//1.2e-104:493:99//Hs.118445:AI097043
 F-PLACE1008000//Homo sapiens vcl 1 mRNA, complete cds//5.7e-63:578:74//Hs.150380:AF087693

EP 1 074 617 A2

F-PLACE1008002//ESTs//0.52:236:59//Hs.134292:AA603031
 F-PLACE1008044
 F-PLACE1008045//COL10A1//0.29:221:58//Hs.37075:X60382
 5 F-PLACE1008080//Human homeodomain protein (Prox 1) mRNA, complete cds//0.00037:151:71//Hs.159437:
 U44060
 F-PLACE1008095//Human hybrid receptor gp250 precursor mRNA, complete cds//1.0:461:58//Hs.155494:
 U60975
 F-PLACE1008111//Homo sapiens B lymphocyte chemoattractant BLC mRNA, complete cds//0.034:497:58//Hs.
 100431:AF044197
 10 F-PLACE1008122//ESTs//0.95:198:60//Hs.126776:N28769
 F-PLACE1008129//ESTs//1.1e-99:499:96//Hs.131807:AA778874
 F-PLACE1008132//EST//3.3e-27:218:83//Hs.145258:AI218683
 F-PLACE1008177//ESTs, Moderately similar to meiosis-specific nuclear structural protein 1 [M.musculus]//5.1e-
 20:124:95//Hs.146238:AI263135
 15 F-PLACE1008181//ESTs//0.018:285:61//Hs.88843:AA281427
 F-PLACE1008198//ESTs//5.9e-07:410:60//Hs.63348:AA643524
 F-PLACE1008201
 F-PLACE1008209
 F-PLACE1008231//ESTs//0.40:188:61//Hs.130266:AI001856
 20 F-PLACE1008244//Miller-Dieker syndrome chromosome region//0.22:247:61//Hs.77318:L13385
 F-PLACE1008273
 F-PLACE1008275//EST//0.77:74:71//Hs.145907:AI275113
 F-PLACE1008280//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//2.6e-25:389:70//Hs.
 159897:AB007970
 25 F-PLACE1008309//Homo sapiens serine phosphatase FCP1a (FCP1) mRNA, complete cds//0.16:263:63//Hs.
 4076:AF081287
 F-PLACE1008329//EST//1.3e-09:94:85//Hs.144135:R82071
 F-PLACE1008330//Homo sapiens mRNA for KIAA0557 protein, partial cds//1.5e-45:291:83//Hs.101414:
 AB011129
 30 F-PLACE1008331//ESTs, Weakly similar to ORF2-like protein [H.sapiens]//5.4e-74:356:98//Hs.105382:AA496362
 F-PLACE1008356//Homo sapiens mRNA for KIAA0679 protein, partial cds//3.4e-139:659:98//Hs.5734:AB014579
 F-PLACE1008368//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//0.011:355:60//Hs.122967:
 AF059569
 F-PLACE1008369//ESTs//0.00074:443:61//Hs.102756:AA526911
 35 F-PLACE1008392//EST//7.4e-08:324:60//Hs.149930:AI289171
 F-PLACE1008398
 F-PLACE1008401//Homo sapiens methyl-CpG binding protein MBD2 (MBD2) mRNA, complete cds//2.5e-09:461:
 62//Hs.25674:AF072242
 F-PLACE1008402//Homo sapiens mRNA for p115, complete cds//1.4e-149:711:98//Hs.7763:D86326
 40 F-PLACE1008405//ESTs//2.8e-102:529:95//Hs.116278:AA628943
 F-PLACE1008424//Human DNA sequence from clone 753P9 on chromosome Xq25-26.1. Contains the gene cod-
 ing for Aminopeptidase P (EC 3.4.11.9, XAA-Pro/X-Pro/Proline/Aminoacylproline Aminopeptidase) and a novel
 gene. Contains ESTs, STSs, GSSs and a gaaa repeat polymorphism//0.98:113:67//Hs.57922:AL023653
 F-PLACE1008426//ESTs//3.2e-77:393:95//Hs.37585:W28499
 45 F-PLACE1008429//Orf1 5' to PD-ECGF/TP...orf2 5' to PD-ECGF/TP [human, epidermoid carcinoma cell line A431,
 mRNA, 3 genes, 1718 nt]//0.019:530:58//Hs.72248:S72487
 F-PLACE1008437
 F-PLACE1008455//ESTs//0.51:279:61//Hs.122319:AA782335
 F-PLACE1008457//ESTs//3.0e-30:229:75//Hs.60740:AA053901
 50 F-PLACE1008465//Human mRNA for KIAA0383 gene, partial cds//0.0084:210:63//Hs.27590:AB002381
 F-PLACE1008488//Human density enhanced phosphatase-1 mRNA, complete cds//6.8e-07:469:60//Hs.1177:
 U10886
 F-PLACE1008524//Homo sapiens TWIK-related acid-sensitive K⁺ channel (TASK) mRNA, complete cds//1.0:304:
 60//Hs.24040:AF006823
 55 F-PLACE1008531//ESTs//1.1e-17:190:76//Hs.156041:AI274697
 F-PLACE1008532//Thromboxane A2 receptor//5.6e-17:231:71//Hs.89887:D38081
 F-PLACE1008533//Homo sapiens PAC clone DJ130H16 from 22q12.1-qter//1.1e-45:507:71//Hs.8003:AC004997
 F-PLACE1008568//Homo sapiens mRNA for neuronatin alpha, complete cds//1.0:95:71//Hs.117546:U31767

EP 1 074 617 A2

F-PLACE1008584//ESTs//1.4e-13:252:68//Hs.153429:AI283069
 F-PLACE1008603//Homo sapiens mRNA for KIAA0791 protein, complete cds//3.9e-175:812:98//Hs.23255:AB018334
 5 F-PLACE1008621//ESTs, Weakly similar to reverse transcriptase [H.sapiens]//1.2e-15:350:66//Hs.151087:AA649326
 F-PLACE1008625//ESTs//0.86:269:57//Hs.94998:N26794
 F-PLACE1008626//ESTs//0.55:69:71//Hs.92096:F10560
 F-PLACE1008627//ESTs//3.0e-62:302:99//Hs.120766:H82458
 F-PLACE1008629//EST//0.0012:174:67//Hs.121195:AA757211
 10 F-PLACE1008630//ESTs//4.5e-77:371:99//Hs.132960:AA252394
 F-PLACE1008643//Human mRNA for PK-120//4.7e-25:299:64//Hs.76415:D38535
 F-PLACE1008650//Homo sapiens pleiotropic regulator 1 (PLRG1) mRNA, complete cds//3.5e-135:622:99//Hs.147967:AF044333
 F-PLACE1008693//EST//0.19:36:94//Hs.138817:N93728
 15 F-PLACE1008696//Human mitochondrial NADH dehydrogenase-ubiquinone Fe-S protein 8, 23 kDa subunit precursor (NDUFS8) nuclear mRNA encoding mitochondrial protein, complete cds//8.3e-25:137:97//Hs.90443:AF038406
 F-PLACE1008715//Homo sapiens mRNA for matrilin-3//0.99:183:63//Hs.119534:AJ224741
 F-PLACE1008748//ESTs//0.88:204:63//Hs.15139:AA527080
 20 F-PLACE1008757//ESTs, Weakly similar to unknown protein [R.norvegicus]//4.3e-17:285:69//Hs.35460:H65503
 F-PLACE1008790//Homo sapiens importin alpha 7 subunit mRNA, complete cds//1.4e-121:503:97//Hs.6458:AF060543
 F-PLACE1008798//ESTs, Weakly similar to putative p150 [H.sapiens]//0.30:127:68//Hs.111380:AA258772
 F-PLACE1008807//ESTs//0.81:346:58//Hs.116901:AA663542
 25 F-PLACE1008808//Homo sapiens putative checkpoint control protein HRAD1 mRNA, complete cds//6.7e-104:376:98//Hs.7179:AF011905
 F-PLACE1008813//Glutamate decarboxylase 1 (brain, 67kD)//0.17:318:61//Hs.75668:M81883
 F-PLACE1008851//ESTs, Highly similar to CELL DIVISION CONTROL PROTEIN 2 HOMOLOG [Plasmodium falciparum (isolate k1 / thailand)]//0.73:354:59//Hs.26322:AA156858
 30 F-PLACE1008854//ESTs//3.0e-26:391:66//Hs.133260:AI052728
 F-PLACE1008867//ESTs//5.9e-08:64:93//Hs.91115:AI221563
 F-PLACE1008887//Human Line-1 repeat mRNA with 2 open reading frames//5.5e-51:701:68//Hs.23094:M19503
 F-PLACE1008902//EST//0.85:425:60//Hs.140573:AA826323
 F-PLACE1008920//Homo sapiens mRNA for KIAA0765 protein, partial cds//2.1e-159:753:98//Hs.62318:AB018308
 35 F-PLACE1008925//ESTs//0.025:133:67//Hs.103218:W84771
 F-PLACE1008934//ESTs//0.27:307:59//Hs.135168:AI394026
 F-PLACE1008941//ESTs//3.3e-53:266:98//Hs.108677:AA488937
 F-PLACE1008947//Human TBP-associated factor (hTAFII130) mRNA, partial cds//2.4e-13:625:58//Hs.24644:U75308
 40 F-PLACE1009020//ESTs//3.3e-11:122:81//Hs.131777:AI024950
 F-PLACE1009027//Homo sapiens mRNA for doublecortin//1.2e-151:763:96//Hs.34780:AJ003112
 F-PLACE1009039//EST//0.76:111:63//Hs.160997:H55762
 F-PLACE1009045//ESTs//2.2e-76:399:95//Hs.114919:AA457689
 45 F-PLACE1009048//GLYCOPROTEIN HORMONES ALPHA CHAIN PRECURSOR//2.6e-16:93:100//Hs.119689:S70585
 F-PLACE1009050//ESTs//1.4e-92:451:98//Hs.66373:AI239698
 F-PLACE1009060//ESTs//1.4e-14:86:100//Hs.131725:AI090525
 F-PLACE1009090//ESTs//2.7e-20:198:78//Hs.110044:AA181800
 50 F-PLACE1009091//ESTs//0.99:342:57//Hs.46903:AI093091
 F-PLACE1009094//ESTs//1.0:225:63//Hs.120374:AI337031
 F-PLACE1009099//H.sapiens ZNF81 gene//2.2e-79:733:74//Hs.104020:X68011
 F-PLACE1009110//ESTs//2.6e-91:453:96//Hs.143756:AI040890
 F-PLACE1009111//ESTs//2.7e-15:159:77//Hs.146811:AA410788
 55 F-PLACE1009113//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds//1.1e-139:671:97//Hs.99742:AF035586
 F-PLACE1009130//Human mRNA for KIAA0032 gene, complete cds//1.1e-24:718:59//Hs.35804:D25215
 F-PLACE1009150//Human HsLIM15 mRNA for HsLIM15, complete cds//1.7e-50:440:78//Hs.37181:D64108

EP 1 074 617 A2

F-PLACE1009155//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//4.0e-46:440:69//Hs.158095:AB007953
F-PLACE1009158//Human growth/differentiation factor 1 (GDF-1) mRNA, complete cds//0.28:245:61//Hs.92614:M62302
5 F-PLACE1009166//EST//0.98:114:67//Hs.137706:AA977250
F-PLACE1009172//EST//6.2e-34:257:84//Hs.161081:N22770
F-PLACE1009174//ESTs//6.0e-24:234:77//Hs.155196:AI282821
F-PLACE1009183//EST//0.021:261:62//Hs.144222:N90100
F-PLACE1009186//ESTs, Weakly similar to No definition line found [C.elegans]//3.6e-117:588:95//Hs.54943:Z78396
10 F-PLACE1009190//EST//0.046:95:70//Hs.131646:AI025689
F-PLACE1009200//EST//2.5e-41:195:78//Hs.162404:AA573131
F-PLACE1009230//CARCINOEMBRYONIC ANTIGEN PRECURSOR//5.3e-29:157:77//Hs.146403:M29540
F-PLACE1009246//EST//0.13:178:62//Hs.23298:R22575
15 F-PLACE1009298//ESTs, Highly similar to VACUOLAR SORTING PROTEIN 35 [Saccharomyces cerevisiae]//1.9e-21:121:98//Hs.124768:AA307735
F-PLACE1009308//SERUM PROTEIN MSE55//0.44:195:62//Hs.148101:M88338
F-PLACE1009319//Homo sapiens post-synaptic density protein 95 (PSD95) mRNA, complete cds//9.7e-08:411:59//Hs.23731:U83192
20 F-PLACE1009328//Human Line-1 repeat mRNA with 2 open reading frames//2.3e-91:594:86//Hs.23094:M19503
F-PLACE1009335//EST//0.037:169:63//Hs.148875:AI240767
F-PLACE1009338//ESTs//5.7e-22:123:98//Hs.66783:AA059473
F-PLACE1009368
F-PLACE1009375
25 F-PLACE1009388//Homo sapiens KIAA0395 mRNA, partial cds//1.7e-41:317:81//Hs.43681:AL022394
F-PLACE1009398//Zinc finger protein 84 (HPF2)//1.4e-79:730:74//Hs.9450:M27878
F-PLACE1009404//MICROTUBULE-ASSOCIATED PROTEIN TAU//0.099:207:61//Hs.101174:AF047863
F-PLACE1009410//Homo sapiens BAF57 (BAF57) gene, complete cds//1.4e-27:210:86//Hs.3404:AF035262
F-PLACE1009434//Human mRNA for KIAA0005 gene, complete cds//2.8e-45:599:68//Hs.155291:D13630
30 F-PLACE1009443//H.sapiens 5T4 gene for 5T4 Oncofetal antigen//0.11:350:58//Hs.82128:AJ012159
F-PLACE1009444//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA//1.5e-22:146:93//Hs.76987:AF012872
F-PLACE1009459//H.sapiens gap gene mRNA, complete CDS//1.0:241:60//Hs.151641:Z24680
F-PLACE1009468//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 2//0.00039:347:60//Hs.994:M95678
35 F-PLACE1009476//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-67A//4.1e-91:464:96//Hs.155049:AC004531
F-PLACE1009477//ESTs//0.30:221:61//Hs.107287:AI308839
F-PLACE1009493//Homo sapiens mRNA for LAK-4p, complete cds//1.6e-30:608:63//Hs.16165:AB002405
F-PLACE1009524//Human Sec7p-like protein mRNA, partial cds//2.3e-68:526:78//Hs.8517:U70728
40 F-PLACE1009539//ESTs//3.3e-18:186:83//Hs.71922:AA148417
F-PLACE1009542//EST//7.8e-11:265:65//Hs.159692:AI416956
F-PLACE1009571//ESTs//6.1e-15:94:97//Hs.151458:AA600866
F-PLACE1009581//Microtubule-associated protein 1A//1.0:196:59//Hs.147918:U38291
F-PLACE1009595//EST//1.8e-28:179:92//Hs.60090:AA004806
45 F-PLACE1009596//ESTs, Weakly similar to LIS-1 protein [H.sapiens]//4.1e-16:281:66//Hs.13889:AI341394
F-PLACE1009607//Homo sapiens PYRIN (MEFV) mRNA, complete cds//4.9e-52:313:79//Hs.113283:AF018080
F-PLACE1009613//ESTs//0.50:297:60//Hs.25114:AI074011
F-PLACE1009621//ESTs//1.4e-98:470:98//Hs.124695:AI094085
F-PLACE1009622//ESTs//9.8e-14:94:93//Hs.117227:AA682773
50 F-PLACE1009637//ESTs//4.9e-92:440:98//Hs.126587:AA917087
F-PLACE1009639
F-PLACE1009659//Homo sapiens mRNA for KIAA0587 protein, complete cds//4.4e-173:816:98//Hs.21862:AB011159
F-PLACE1009665//ESTs//9.1e-45:383:79//Hs.61199:AA024494
55 F-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds//8.1e-149:701:98//Hs.109590:AF062534
F-PLACE1009708//ESTs, Weakly similar to HYPOTHETICAL TRP-ASP REPEATS CONTAINING PROTEIN IN HXT14-PHA2 INTERGENIC REGION [S.cerevisiae]//7.5e-51:295:92//Hs.48541:AA827926
F-PLACE1009721//EST//0.18:467:58//Hs.124358:AA830650

- F-PLACE1009731//ESTs//1.0:207:63//Hs.60440:AA195789
 F-PLACE1009763//Homo sapiens UBA3 (UBA3) mRNA, complete cds//1.3e-126:602:98//Hs.154320:AF046024
 F-PLACE1009794//ESTs//4.0e-41:252:91//Hs.42927:N20989
 5 F-PLACE1009798//Human DNA sequence from clone 1189B24 on chromosome Xq25-26.3. Contains NADH-Ubi-quinone Oxidoreductase MLRQ subunit (EC 1.6.5.3, EC 1.6.99.3, CI-MLRQ), Tubulin Beta and Proto-oncogene Tyrosine-protein Kinase FER (EC 2.7.1.112, P94-FER, C-FER, TYK3) pseudogenes, and part of a novel gene similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8. Contains ESTs and GSSs//5.5e-130:600:95//Hs.16411:AL030996
 F-PLACE1009845
 10 F-PLACE1009861
 F-PLACE1009879//ESTs//6.3e-12:293:66//Hs.147071:AI200021
 F-PLACE1009886
 F-PLACE1009888//EST//0.044:255:58//Hs.160695:AI282889
 F-PLACE1009908
 15 F-PLACE1009921//Apoptosis (APO-1) antigen 1//0.62:407:57//Hs.82359:X63717
 F-PLACE1009924//EST//2.9e-29:155:99//Hs.162937:AA634379
 F-PLACE1009925
 F-PLACE1009935//CATHEPSIN K PRECURSOR//0.43:153:66//Hs.83942:X82153
 F-PLACE1009947//ESTs//1.8e-07:56:100//Hs.149940:AI306446
 20 F-PLACE1009971//Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain//0.89:243:61//Hs.127610:Z80345
 F-PLACE1009992//ESTs//0.99:123:68//Hs.91202:AI139114
 F-PLACE1009995//ESTs, Weakly similar to C01A2.4 [C.elegans]//3.3e-24:174:88//Hs.11449:AI201540
 F-PLACE1009997//Homo sapiens mRNA for KIAA0629 protein, partial cds//3.7e-36:196:96//Hs.153545:AB014529
 25 F-PLACE1010023
 F-PLACE1010031//ESTs//1.3e-16:132:87//Hs.46847:W02878
 F-PLACE1010053//ESTs, Moderately similar to M-phase phosphoprotein 4 [H.sapiens]//5.2e-63:312:98//Hs.142151:AA984061
 F-PLACE1010069//ESTs//6.6e-33:171:98//Hs.128844:AA977596
 30 F-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds//5.9e-168:792:98//Hs.11183:AF065482
 F-PLACE1010076//ESTs//0.88:379:55//Hs.5884:N21424
 F-PLACE1010083//Homo sapiens mRNA for KIAA0456 protein, partial cds//9.6e-154:727:98//Hs.5003:AB007925
 F-PLACE1010089//ESTs, Highly similar to PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE [Mus musculus]//1.8e-38:212:95//Hs.98067:AA236822
 35 F-PLACE1010096//ESTs, Highly similar to hypothetical protein, 100K [R.norvegicus]//1.8e-08:100:89//Hs.11469:U69567
 F-PLACE1010102//Homo sapiens stimulator of Fe transport mRNA, complete cds//0.0035:339:60//Hs.129683:AF020761
 40 F-PLACE1010105//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//1.2e-26:728:60//Hs.122967:AF059569
 F-PLACE1010106//EST//8.5e-28:394:70//Hs.142044:AA166682
 F-PLACE1010134//H.sapiens hbrm mRNA//1.2e-14:380:64//Hs.77590:X72889
 F-PLACE1010148//Human trans-Golgi p230 mRNA, complete cds//0.26:708:57//Hs.158245:U41740
 45 F-PLACE1010152
 F-PLACE1010181//EST//1.3e-21:312:71//Hs.141501:N50792
 F-PLACE1010194//ESTs//2.6e-55:284:97//Hs.155940:AA459582
 F-PLACE1010202//ESTs, Weakly similar to No definition line found [C.elegans]//2.3e-72:391:94//Hs.35225:H69637
 50 F-PLACE1010231
 F-PLACE1010261//Homo sapiens mRNA for KIAA0448 protein, complete cds//1.9e-146:693:97//Hs.27349:AB007917
 F-PLACE1010270//ESTs//2.0e-104:514:98//Hs.124062:H04590
 F-PLACE1010274//ESTs, Weakly similar to C01A2.4 [C.elegans]//6.8e-25:149:93//Hs.11449:AI201540
 55 F-PLACE1010293//EST//4.5e-36:358:74//Hs.162398:AA572813
 F-PLACE1010310//HOMEBOX/POU DOMAIN PROTEIN RDC-1//2.1e-10:352:62//Hs.74095:L20433
 F-PLACE1010321//Human hSIAH2 mRNA, complete cds//0.071:604:58//Hs.20191:U76248
 F-PLACE1010324//ESTs//0.22:286:58//Hs.130853:AI367875

EP 1 074 617 A2

F-PLACE1010329//EST//5.7e-05:351:60//Hs.120644:AA742659
 F-PLACE1010341//EST//4.5e-16:255:72//Hs.141206:H53117
 F-PLACE1010362//ESTs//1.9e-41:246:92//Hs.128771:AA236855
 F-PLACE1010364//EST//0.11:292:58//Hs.135771:AI005648
 5 F-PLACE1010383//EST//6.1e-08:107:76//Hs.136441:AA564986
 F-PLACE1010401
 F-PLACE1010481//Human BLu protein (BLu) mRNA, complete cds//0.94:254:61//Hs.125257:U70824
 F-PLACE1010491//Homo sapiens Cre binding protein-like 2 mRNA, complete cds//7.2e-152:702:99//Hs.13313:
 AF039081
 10 F-PLACE1010492//ESTs//1.0:201:60//Hs.146036:AI038500
 F-PLACE1010522//ESTs//3.9e-52:263:97//Hs.125149:AI302100
 F-PLACE1010529//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds//1.0:175:
 64//Hs.159273:AF054177
 F-PLACE1010547//ESTs//0.96:288:57//Hs.87156:AA233472
 15 F-PLACE1010562//EST//1.0:164:66//Hs.147868:AI222979
 F-PLACE1010579//EST//0.39:279:58//Hs.158960:AI380148
 F-PLACE1010580//ESTs, Moderately similar to PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06
 [Schizosaccharomyces pombe]//3.8e-31:193:91//Hs.145229:N44661
 F-PLACE1010599//Homo sapiens peroxisomal membrane anchor protein HsPex14p (PEX14) mRNA, complete
 20 cds//9.9e-148:707:97//Hs.19851:AF045186
 F-PLACE1010616//EST//3.1e-43:213:100//Hs.128215:AA972394
 F-PLACE1010622//NUCLEOLIN//0.00040:282:60//Hs.79110:M60858
 F-PLACE1010624//Homo sapiens Jagged 2 mRNA, complete cds//1.2e-05:516:61//Hs.106387:AF029778
 F-PLACE1010628//EST, Weakly similar to line-1 protein ORF2 [H.sapiens]//0.012:258:62//Hs.144375:AA484200
 25 F-PLACE1010629//EST//8.3e-23:218:79//Hs.161975:AA501461
 F-PLACE1010630//EST//0.29:319:58//Hs.137277:N62225
 F-PLACE1010631//Homo sapiens mRNA for KIAA0530 protein, partial cds//9.5e-66:363:95//Hs.10801:AB011102
 F-PLACE1010661//ESTs//3.9e-89:504:92//Hs.122666:W27076
 F-PLACE1010662
 30 F-PLACE1010702//Human repressor transcriptional factor (ZNF85) mRNA, complete cds//1.1e-74:697:74//Hs.
 37138:U35376
 F-PLACE1010714//EST//0.018:253:59//Hs.148028:AI270027
 F-PLACE1010720//Homo sapiens chromosome-associated protein-C (hCAP-C) mRNA, partial cds//6.1e-77:393:
 96//Hs.50758:AF092564
 35 F-PLACE1010739//Homo sapiens mRNA for Sec24 protein (Sec24A isoform), partial//0.97:314:59//Hs.14574:
 AJ131244
 F-PLACE1010743//Human myosin-IXb mRNA, complete cds//2.4e-56:409:86//Hs.159629:U42391
 F-PLACE1010761//ESTs, Weakly similar to U1 SMALL NUCLEAR RIBONUCLEOPROTEIN 70 KD [Xenopus lae-
 vis]//5.1e-80:407:96//Hs.80965:AA493284
 40 F-PLACE1010771//ESTs, Highly similar to TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP [Mus musculus]
 //6.0e-45:251:94//Hs.11379:AA594140
 F-PLACE1010786
 F-PLACE1010800
 F-PLACE1010802//EST//0.94:128:64//Hs.120366:AA719157
 45 F-PLACE1010811//ESTs//0.89:339:59//Hs.127314:N48085
 F-PLACE1010833//ESTs, Weakly similar to allograft inflammatory factor-1 [H.sapiens]//2.9e-28:245:79//Hs.
 132736:AA583494
 F-PLACE1010856//ESTs//1.5e-06:95:87//Hs.17401:W81048
 F-PLACE1010857//ESTs, Weakly similar to KIAA0157 gene product is novel. [H.sapiens]//5.8e-67:336:97//Hs.
 50 130135:AA905493
 F-PLACE1010870//Zinc finger protein 43 (HTF6)//9.7e-40:498:69//Hs.74107:X59244
 F-PLACE1010877//Homo sapiens mRNA for KIAA0610 protein, partial cds//3.7e-149:694:98//Hs.118087:
 AB011182
 F-PLACE1010891//ESTs//6.9e-54:377:87//Hs.24453:R31671
 55 F-PLACE1010896//Human homologue of yeast sec7 mRNA, complete cds//0.64:167:65//Hs.1050:M85169
 F-PLACE1010900
 F-PLACE1010916//EST//0.55:151:66//Hs.145800:AI269981
 F-PLACE1010917

F-PLACE1010925//ESTs//2.6e-81:437:94//Hs.5876:H26537
 F-PLACE1010926//Homo sapiens mRNA for KIAA0554 protein, partial cds//3.1e-139:653:98//Hs.74750:
 AB011126
 F-PLACE1010942//Homo sapiens intersectin 'short form mRNA, complete cds//2.9e-91:437:98//Hs.66392:
 5 AF064244
 F-PLACE1010944//ESTs//1.3e-17:117:91//Hs.29444:W30985
 F-PLACE1010947//EST//0.97:93:72//Hs.162299:AA555154
 F-PLACE1010954//Apolipoprotein B (including Ag(x) antigen)//0.28:444:59//Hs.585:X04506
 F-PLACE1010960//ESTs//0.98:238:60//Hs.163674:AA506632
 10 F-PLACE1010965//ESTs//3.1e-74:376:96//Hs.115679:AI379721
 F-PLACE1011026//EST//0.022:222:60//Hs.47154:N50931
 F-PLACE1011032//EST//1.1e-05:88:79//Hs.118024:N34032
 F-PLACE1011041//Human density enhanced phosphatase-1 mRNA, complete cds//0.28:179:67//Hs.1177:
 U10886
 15 F-PLACE1011046//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 2//6.2e-
 11:207:68//Hs.994:M95678
 F-PLACE1011054//H.sapiens OBF-1 mRNA for octamer binding factor 1//6.1e-35:310:78//Hs.2407:Z49194
 F-PLACE1011056//Human putative serine/threonine protein kinase PRK (prk) mRNA, complete cds//0.74:228:61//
 Hs.153640:U56998
 20 F-PLACE1011057//EST//2.5e-80:388:98//Hs.126466:AA913320
 F-PLACE1011090//ESTs//1.4e-94:469:97//Hs.106448:R76663
 F-PLACE1011109//ESTs//0.13:303:62//Hs.49294:AA418037
 F-PLACE1011114//ESTs//5.8e-12:75:100//Hs.147422:AI214317
 F-PLACE1011133//ESTs//0.17:225:62//Hs.132853:AI370857
 25 F-PLACE1011143//ESTs//0.013:264:63//Hs.115368:AA629949
 F-PLACE1011160
 F-PLACE1011165//Galactokinase 2//2.7e-32:194:92//Hs.129228:M84443
 F-PLACE1011185//EST//1.4e-34:261:83//Hs.140250:AA708114
 F-PLACE1011203//Homo sapiens chromosome 18q11 beta-1,4-galactosyltransferase mRNA, complete cds//6.9e-
 124:576:99//Hs.159140:AF038664
 30 F-PLACE1011214//ESTs, Weakly similar to B0035.14 [C.elegans]/9.7e-101:469:99//Hs.8241:AA283057
 F-PLACE1011219//ESTs, Weakly similar to coded for by C. elegans cDNA CEESL70F [C.elegans]/2.6e-62:221:
 88//Hs.101821:W27452
 F-PLACE1011221//ESTs//0.46:238:62//Hs.32853:AA015751
 35 F-PLACE1011229//Homo sapiens mRNA for KIAA0529 protein, partial cds//1.4e-147:675:99//Hs.23168:
 AB011101
 F-PLACE1011263//Homo sapiens BAC clone GS166A23 from 7p21//5.9e-71:350:98//Hs.15144:AC005014
 F-PLACE1011273//ESTs//1.0:222:59//Hs.35274:AA495803
 F-PLACE1011291//Homo sapiens clone 24712 unknown mRNA, partial cds//3.4e-09:191:65//Hs.140950:
 40 AF070637
 F-PLACE1011296//ESTs//0.019:137:63//Hs.140654:AA865915
 F-PLACE1011310//EST//0.066:336:58//Hs.162529:AA584160
 F-PLACE1011325//ESTs//7.4e-43:229:96//Hs.21081:H08310
 F-PLACE1011332//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds//4.8e-151:696:
 45 99//Hs.5819:AF102265
 F-PLACE1011340//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//1.5e-20:120:81//Hs.
 159897:AB007970
 F-PLACE1011371//Human mRNA for PK-120//9.5e-35:684:63//Hs.76415:D38535
 F-PLACE1011375//ESTs, Moderately similar to potassium channel protein Raw3 [R.norvegicus]/6.7e-68:325:99//
 50 Hs.107245:AA627053
 F-PLACE1011399//ESTs//8.6e-05:285:61//Hs.130105:AA904868
 F-PLACE1011419//ESTs//0.70:240:62//Hs.159650:N95552
 F-PLACE1011433//Homo sapiens mRNA for KIAA0530 protein, partial cds//1.5e-158:743:98//Hs.10801:
 AB011102
 55 F-PLACE1011452//Human Line-1 repeat mRNA with 2 open reading frames//1.9e-53:557:72//Hs.23094:M19503
 F-PLACE1011465//EST//3.1e-58:380:85//Hs.131605:AI025204
 F-PLACE1011472//Homo sapiens mRNA for KIAA0712 protein, complete cds//1.5e-152:703:99//Hs.111138:
 AB018255

F-PLACE1011477//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds//1.7e-146:675:99//Hs.11183:AF065482
 F-PLACE1011492//ESTs//2.0e-35:186:98//Hs.125886:AA884264
 F-PLACE1011503//EST//0.67:149:65//Hs.149774:AI285997
 5 F-PLACE1011520//ESTs//0.00014:213:64//Hs.119889:AA705319
 F-PLACE1011563//ESTs//2.2e-61:394:86//Hs.117718:AA883476
 F-PLACE1011567//Homo sapiens DEC-205 mRNA, complete cds//3.1e-46:325:84//Hs.153563:AF011333
 F-PLACE1011576//Homo sapiens hematopoietic cell derived zinc finger protein mRNA, complete cds//4.3e-67:268:86//Hs.86371:AF054180
 10 F-PLACE1011586//Homo sapiens hLRp105 mRNA for LDL receptor related protein 105, complete cds//0.98:153:65//Hs.143641:AB009462
 F-PLACE1011635//Homo sapiens Jagged 2 mRNA, complete cds//0.00029:585:57//Hs.106387:AF029778
 F-PLACE1011641
 F-PLACE1011643//Homo sapiens mRNA for KIAA0293 gene, partial cds//0.00058:499:58//Hs.12784:AB006631
 15 F-PLACE1011646//EST//3.2e-26:201:68//Hs.140349:AA757661
 F-PLACE1011649//ESTs//0.25:145:64//Hs.23033:R46086
 F-PLACE1011650//ESTs//0.041:96:77//Hs.119351:AA447745
 F-PLACE1011664//Human mRNA for stac, complete cds//1.0:245:60//Hs.56045:D86640
 F-PLACE1011675//Cell division cycle 27//0.098:448:57//Hs.73151:S78234
 20 F-PLACE1011682//EST//9.6e-06:119:72//Hs.93664:N23366
 F-PLACE1011719//Human mRNA for KIAA0352 gene, complete cds//0.92:365:60//Hs.17262:AB002350
 F-PLACE1011725
 F-PLACE1011729//EST//0.56:304:58//Hs.86378:AA210853
 F-PLACE1011749//ESTs//4.3e-88:443:96//Hs.132850:AA779891
 25 F-PLACE1011762//ESTs//0.012:149:68//Hs.145075:AI208240
 F-PLACE1011778//ESTs//0.00016:199:64//Hs.160395:AI393693
 F-PLACE1011783//EST//1.0:119:66//Hs.162191:AA534660
 F-PLACE1011858//Human novel homeobox mRNA for a DNA binding protein//8.9e-05:477:59//Hs.37035:U07664
 F-PLACE1011874//EST//0.20:118:66//Hs.127351:AA954775
 30 F-PLACE1011875//Homo sapiens mRNA for KIAA0580 protein, partial cds//5.3e-110:526:98//Hs.22572:AB011152
 F-PLACE1011891//ESTs//1.8e-58:397:88//Hs.84698:AA725913
 F-PLACE1011896//ESTs, Weakly similar to Y53C12A.3 [C. elegans]//9.4e-09:478:56//Hs.107747:AI357868
 F-PLACE1011922//ESTs//0.49:249:62//Hs.152627:AA595817
 F-PLACE1011923//Homo sapiens serum-inducible kinase mRNA, complete cds//3.7e-140:664:98//Hs.3838:AF059617
 35 F-PLACE1011962//EST//1.7e-07:81:85//Hs.104333:AA250763
 F-PLACE1011964//EST//6.6e-38:412:74//Hs.140562:AA826514
 F-PLACE1011982//ESTs//0.40:405:60//Hs.127743:AI261591
 F-PLACE1011995//ESTs//1.7e-22:486:64//Hs.105157:AA527514
 40 F-PLACE1012031//Homo sapiens mRNA for KIAA0713 protein, partial cds//4.0e-148:690:98//Hs.88756:AB018256
 F-PLACE2000003//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//6.5e-54:290:81//Hs.92381:AB007956
 F-PLACE2000006//ESTs//0.067:224:62//Hs.144100:AI205503
 45 F-PLACE2000007//ESTs//8.1e-23:147:91//Hs.128530:AA325330
 F-PLACE2000011//Interleukin 10//4.2e-42:362:78//Hs.2180:M57627
 F-PLACE2000014//EST//0.10:214:61//Hs.160247:AI138831
 F-PLACE2000015//Interleukin 10//1.4e-44:393:78//Hs.2180:M57627
 F-PLACE2000017
 50 F-PLACE2000021//Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase mRNA, partial cds//5.7e-85:844:72//Hs.7928:AF082557
 F-PLACE2000030
 F-PLACE2000033//Human adhesion molecule ninjurin mRNA, complete cds//0.85:234:66//Hs.11342:U91512
 F-PLACE2000034//Homo sapiens mRNA for KIAA0607 protein, partial cds//0.058:348:62//Hs.94653:AB011179
 55 F-PLACE2000039//Human plectin (PLEC1) mRNA, complete cds//0.0058:473:59//Hs.79706:U53204
 F-PLACE2000047//ESTs//4.9e-32:328:75//Hs.141024:H07128
 F-PLACE2000050//ESTs//3.0e-36:270:83//Hs.155512:AA663966
 F-PLACE2000061

EP 1 074 617 A2

F-PLACE2000062//Human membrane-associated lectin type-C mRNA//2.9e-114:662:86//Hs.23759:M98457
 F-PLACE2000072//Homo sapiens ZNF202 alpha (ZNF202) mRNA, complete cds//7.1e-135:631:98//Hs.9443:
 AF027219
 F-PLACE2000097//ESTs//0.021:117:70//Hs.132811:AI034333
 5 F-PLACE2000100
 F-PLACE2000103//ESTs//1.1e-56:284:98//Hs.144786:AI219219
 F-PLACE2000111//H.sapiens mRNA for l-acylglycerol-3-phosphate O-acyltransferase//0.76:215:65//Hs.6587:
 U56417
 F-PLACE2000115
 10 F-PLACE2000124//Human mRNA for KIAA0355 gene, complete cds//2.8e-49:400:79//Hs.153014:AB002353
 F-PLACE2000132
 F-PLACE2000136//ESTs, Moderately similar to hypothetical protein [H.sapiens]//1.2e-08:245:64//Hs.140343:
 AA718911
 F-PLACE2000140//Adenylate kinase 2 (adk2)//3.7e-24:162:90//Hs.83833:U54645
 15 F-PLACE2000164
 F-PLACE2000170
 F-PLACE2000172//ESTs//0.64:239:62//Hs.31175:AI219179
 F-PLACE2000176
 F-PLACE2000187
 20 F-PLACE2000216
 F-PLACE2000223//EST//0.0092:171:60//Hs.162830:AA643933
 F-PLACE2000235//Human mRNA for KIAA0298 gene, complete cds//1.6e-38:792:63//Hs.21560:AB002296
 F-PLACE2000246//Homo sapiens mRNA for KIAA0795 protein, partial cds//1.5e-74:367:98//Hs.22926:AB018338
 F-PLACE2000264//Homo sapiens mRNA for KIAA0792 protein, complete cds//2.0e-29:366:73//Hs.119387:
 25 AB007958
 F-PLACE2000274//Homo sapiens mRNA for dynein heavy chain//1.0e-23:650:62//Hs.144672:AJ000522
 F-PLACE2000302//ESTs//1.7e-05:66:89//Hs.55572:W37560
 F-PLACE2000305//ESTs//1.6e-78:382:98//Hs.136731:AA745869
 F-PLACE2000317
 30 F-PLACE2000335//Fc fragment of IgE, high affinity I, receptor for; beta polypeptide//6.1e-24:295:76//Hs.30:
 M89796
 F-PLACE2000341//Human sodium iodide symporter mRNA, complete cds//6.8e-21:593:61//Hs.103983:U66088
 F-PLACE2000342//Centromere protein B (80kD)//1.4e-06:326:61//Hs.85004:X05299
 F-PLACE2000347//ESTs, Moderately similar to F18547_1 [H.sapiens]//3.7e-16:139:82//Hs.28209:AI073817
 35 F-PLACE2000359//ESTs//5.0e-19:251:71//Hs.58272:W76645
 F-PLACE2000366//ESTs//1.7e-37:399:75//Hs.136646:AA748045
 F-PLACE2000371//EST//0.65:107:65//Hs.157677:AI358861
 F-PLACE2000373//ESTs//0.30:207:59//Hs.143902:AI131032
 F-PLACE2000379//ESTs//1.3e-64:402:87//Hs.146307:AA584638
 40 F-PLACE2000394//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484//1.0e-87:694:80//Hs.
 158095:AB007953
 F-PLACE2000398
 F-PLACE2000399
 F-PLACE2000404
 45 F-PLACE2000411
 F-PLACE2000419//Homo sapiens PYRIN (MEFV) mRNA, complete cds//8.0e-52:463:74//Hs.113283:AF018080
 F-PLACE2000425//EST//0.44:168:62//Hs.44677:N34966
 F-PLACE2000427
 F-PLACE2000433//ESTs//4.7e-18:213:74//Hs.110187:AA699719
 50 F-PLACE2000435//EST//4.7e-05:159:64//Hs.123604:AA815257
 F-PLACE2000438//H.sapiens mRNA for UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T2)//1.9e-
 20:418:64//Hs.130181:X85019
 F-PLACE2000450//Homo sapiens PYRIN (MEFV) mRNA, complete cds//4.0e-83:324:81//Hs.113283:AF018080
 F-PLACE2000455//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//4.0e-
 55 05:100:73//Hs.104239:AA488082
 F-PLACE2000458//H.sapiens mRNA for hFat protein//0.0010:545:57//Hs.91107:X87241
 F-PLACE2000465//ESTs//4.4e-38:377:75//Hs.55855:AA621381
 F-PLACE2000477//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.8e-68:520:81//Hs.113283:AF018080

EP 1 074 617 A2

F-PLACE3000004//Human EYA3 homolog (EYA3) mRNA, complete cds//3.9e-14:204:73//Hs.46925:Y10262 ,
F-PLACE3000009//Human mRNA for KIAA0386 gene, complete cds//4.8e-59:696:69//Hs.101359:AB002384
F-PLACE3000020//Prostaglandin 12 (prostaglyclin) receptor (IP)//0.00081:500:61//Hs.393:D38128
F-PLACE3000029
5 F-PLACE3000059//ESTs//0.0026:49:100//Hs.42913:AI082248
F-PLACE3000070//ESTs//5.6e-15:202:74//Hs.154993:AA142842
F-PLACE3000103//Homo sapiens cofactor of initiator function (CIF150) mRNA, complete cds//1.0:186:62//Hs.
122752:AF026445
F-PLACE3000119//Homo sapiens mRNA for KIAA0752 protein, partial cds//2.8e-48:283:83//Hs.23711:AB018295
10 F-PLACE3000121
F-PLACE3000124//Thromboxane A2 receptor//1.1e-55:195:83//Hs.89887:D38081
F-PLACE3000136//Homo sapiens mRNA for KIAA0703 protein, complete cds//1.0:194:59//Hs.6168:AB014603
F-PLACE3000142//EST//0.41:179:59//Hs.137438:AA282243
F-PLACE3000145//ESTs//3.5e-25:145:96//Hs.163950:AA683016
15 F-PLACE3000147//EST//5.0e-43:285:86//Hs.160895:AI365871
F-PLACE3000148
F-PLACE3000155//Homo sapiens mRNA for KIAA0672 protein, complete cds//5.6e-80:382:99//Hs.6336:
AB014572
F-PLACE3000156//ESTs//0.00015:277:62//Hs.156834:AI336023
20 F-PLACE3000157//Calcium channel, voltage-dependent, P/Q type, alpha 1A subunit//0.54:320:60//Hs.96253:
U79666
F-PLACE3000158//Homo sapiens mRNA for KIAA0575 protein, complete cds//4.9e-66:319:88//Hs.153468:
AB011147
F-PLACE3000160
25 F-PLACE3000169//Small inducible cytokine A5 (RANTES)//1.3e-64:501:80//Hs.155464:AF088219
F-PLACE3000194
F-PLACE3000197
F-PLACE3000199//EST//1.0:108:68//Hs.98488:AA426546
F-PLACE3000207//EST//1.0e-32:184:75//Hs.160146:AI049975
30 F-PLACE3000208//CLASS II HISTOCOMPATIBILITY ANTIGEN, M ALPHA CHAIN PRECURSOR//1.0:271:61//
Hs.77522:X62744
F-PLACE3000218//EST//1.3e-46:317:84//Hs.162197:AA535216
F-PLACE3000220//EST//9.3e-95:443:99//Hs.112702:AA609377
F-PLACE3000221//Homo sapiens DNA fragmentation factor 40 kDa subunit (DFF40) mRNA, complete cds//9.2e-
35 56:200:85//Hs.133089:AF064019
F-PLACE3000226
F-PLACE3000230//EST//6.1e-16:173:72//Hs.148578:AI201568
F-PLACE3000242//Human DNA sequence from clone 1409 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-
Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene
40 and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and ge-
nomic marker DXS8032//1.2e-54:434:80//Hs.4943:Z98046
F-PLACE3000244
F-PLACE3000254//NUCLEOLIN//2.6e-05:445:60//Hs.79110:M60858
F-PLACE3000271//ESTs//1.6e-25:195:72//Hs.108452:H78650
45 F-PLACE3000276//ESTs//1.0e-13:274:66//Hs.28589:AI004944
F-PLACE3000304//EST//0.043:210:61//Hs.132378:AI026770
F-PLACE3000310
F-PLACE3000320//EST//1.2e-12:188:70//Hs.145771:AI269586
F-PLACE3000322//Small inducible cytokine A5 (RANTES)//4.7e-29:252:80//Hs.155464:AF088219
50 F-PLACE3000331
F-PLACE3000339//Homo sapiens mRNA for KIAA0645 protein, complete cds//0.91:222:61//Hs.155987:
AB014545
F-PLACE3000341//EST//1.8e-05:394:58//Hs.112894:AA620741
F-PLACE3000350//ESTs, Highly similar to SERINE/THREONINE-PROTEIN KINASE SULU [Caenorhabditis ele-
55 gans]//2.9e-59:474:77//Hs.125850:AA885355
F-PLACE3000352//H.sapiens OBF-1 mRNA for octamer binding factor 1//2.5e-48:442:78//Hs.2407:Z49194
F-PLACE3000353//H.sapiens mRNA for UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T1)//0.78:
234:63//Hs.7498:U41514

EP 1 074 617 A2

F-PLACE3000362//EST//6.5e-25:302:73//Hs.140504:AA810441
 F-PLACE3000363
 F-PLACE3000365//ESTs//0.81:200:60//Hs.141556:N49928
 F-PLACE3000373//ESTs//0.0071:82:73//Hs.136310:AA442641
 5 F-PLACE3000388//ESTs//7.9e-16:235:71//Hs.44701:AA830432
 F-PLACE3000399//Clathrin, light polypeptide (Lcb)//5.2e-70:391:81//Hs.73919:X81637
 F-PLACE3000400//ESTs//0.53:162:66//Hs.49303:AA810785
 F-PLACE3000401//EST//2.3e-35:178:100//Hs.162851:AA632270
 F-PLACE3000402//ESTs//2.4e-84:425:96//Hs.148962:AI219715
 10 F-PLACE3000405//EST//2.1e-39:452:73//Hs.140414:AA778541
 F-PLACE3000406//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//1.9e-07:
 116:78//Hs.77579:AF013263
 F-PLACE3000413//ESTs, Weakly similar to methyl sterol oxidase [H.sapiens]//1.6e-51:260:98//Hs.122512:
 H61502
 15 F-PLACE3000416//Homo sapiens mRNA for KIAA0801 protein, complete cds//0.00020:630:57//Hs.17585:
 AB018344
 F-PLACE3000425//EST//3.8e-34:286:79//Hs.135301:AI039161
 F-PLACE3000455//Homo sapiens mRNA for cytochrome b small subunit of complex II, complete cds//3.6e-32:
 183:93//Hs.108326:AB006202
 20 F-PLACE3000475//ESTs//1.9e-09:422:61//Hs.145783:AA081874
 F-PLACE3000477//H.sapiens mRNA for chemokine receptor D6//1.0:426:54//Hs.117572:U94888
 F-PLACE4000009//TRICHOHYALIN//3.1e-09:692:60//Hs.82276:L09190
 F-PLACE4000014//Homo sapiens mRNA for KIAA0809 protein, partial cds//3.6e-118:331:100//Hs.105399:
 AB018352
 25 F-PLACE4000034//Homo sapiens Chromosome 16 BAC clone CIT987SK-A-69G12//1.1e-06:244:63//Hs.154050:
 AC004131
 F-PLACE4000049//Homo sapiens clone 24619 mRNA sequence//4.3e-45:371:79//Hs.139088:AF070533
 F-PLACE4000052//Human ATP binding cassette transporter (ABCR) mRNA, complete cds//1.4e-53:669:67//Hs.
 40993:AF000148
 30 F-PLACE4000063
 F-PLACE4000089//ESTs//2.2e-10:121:85//Hs.49391:W00713
 F-PLACE4000093//ESTs//0.0053:273:60//Hs.136952:AA825819
 F-PLACE4000100//ESTs//8.0e-21:246:73//Hs.140207:N32058
 F-PLACE4000106//Homo sapiens mRNA for KIAA0462 protein, partial cds//3.8e-147:684:99//Hs.129937:
 35 AB007931
 F-PLACE4000128//Homo sapiens ES/130 mRNA, complete cds//0.23:398:60//Hs.98614:AF006751
 F-PLACE4000129
 F-PLACE4000131//ESTs//2.4e-13:194:72//Hs.41418:H90627
 F-PLACE4000147//ESTs//0.0060:324:60//Hs.85640:AA535856
 40 F-PLACE4000156//Zinc finger protein 136 (clone pHZ-20)//2.3e-89:764:76//Hs.69740:U09367
 F-PLACE4000192
 F-PLACE4000211
 F-PLACE4000222//EST//1.9e-15:317:66//Hs.149206:AI246594
 F-PLACE4000230//Human mRNA for KIAA0331 gene, complete cds//0.0048:258:60//Hs.146395:AB002329
 45 F-PLACE4000233//ESTs//4.4e-38:240:80//Hs.114605:AI304317
 F-PLACE4000247//Homo sapiens mitochondrial outer membrane protein (TOM40) mRNA, nuclear gene encoding
 mitochondrial protein, complete cds//0.0095:156:69//Hs.30928:AF043250
 F-PLACE4000250//ESTs//3.8e-72:377:94//Hs.124234:T89609
 F-PLACE4000252//ESTs//1.0:196:64//Hs.144869:AA493886
 50 F-PLACE4000259//Homo sapiens mRNA for KIAA0788 protein, partial cds//6.2e-27:191:87//Hs.2397:Z70200
 F-PLACE4000261
 F-PLACE4000269//ESTs, Weakly similar to coded for by C. elegans cDNA yk52b10.3 [C.elegans]//9.5e-41:202:
 100//Hs.118849:AA215645
 F-PLACE4000270
 55 F-PLACE4000300
 F-PLACE4000320//FKBP-RAPAMYCIN ASSOCIATED PROTEIN//4.5e-23:135:96//Hs.155952:U88966
 F-PLACE4000323//EST//6.7e-09:180:68//Hs.116769:AA630365
 F-PLACE4000326//ESTs//2.1e-94:453:98//Hs.103177:W72798

EP 1 074 617 A2

F-PLACE4000344//EST//6.4e-05:135:67//Hs.146729:AI147292
 F-PLACE4000367
 F-PLACE4000369
 F-PLACE4000379//EST//3.9e-42:381:79//Hs.162335:AA564256
 5 F-PLACE4000387//ESTs//0.19:93:69//Hs.154173:AI379823
 F-PLACE4000392//ESTs//0.0015:381:59//Hs.120172:AA709046
 F-PLACE4000401//Homo sapiens mRNA for KIAA0640 protein, partial cds//3.1e-47:605:71//Hs.153026:
 AB014540
 F-PLACE4000411//ESTs, Moderately similar to plakophilin 2b [H.sapiens]//4.7e-33:159:81//Hs.154257:AI275982
 10 F-PLACE4000431//Homo sapiens mRNA for KIAA0788 protein, partial cds//1.3e-45:263:92//Hs.2397:Z70200
 F-PLACE4000445
 F-PLACE4000450
 F-PLACE4000465//ESTs//1.5e-11:273:65//Hs.145783:AA081874
 F-PLACE4000487//Sialophorin (gpL115, leukosialin, CD43)//3.0e-14:189:71//Hs.80738:X52075
 15 F-PLACE4000489//ESTs//0.94:104:68//Hs.125119:R38951
 F-PLACE4000494//ESTs//1.0:185:60//Hs.143053:AI126289
 F-PLACE4000521//ESTs//0.0027:161:70//Hs.135740:AA651731
 F-PLACE4000522//ESTs, Highly similar to NEUROGENIC LOCUS NOTCH PROTEIN HOMOLOG 1 PRECUR-
 SOR [Homo sapiens]//0.047:119:65//Hs.129053:AA767022
 20 F-PLACE4000548
 F-PLACE4000558//Homo sapiens mRNA for DFFRY protein, abundant transcript//0.0035:510:59//Hs.39163:
 AF000986
 F-PLACE4000581
 F-PLACE4000590//ESTs, Highly similar to POL POLYPROTEIN [Friend murine leukemia virus (isolate 57)]//3.4e-
 13:275:68//Hs.113980:AI034080
 25 F-PLACE4000593//ESTS, Weakly similar to F25D7.1 [C.elegans]//5.2e-28:239:79//Hs.109084:AI004675
 F-PLACE4000612//Keratin 9//0.27:207:64//Hs.2783:Z29074
 F-PLACE4000638//Homo sapiens mRNA from chromosome 5q21-22, clone:sF2//3.5e-47:562:69//Hs.129685:
 AB002446
 30 F-PLACE4000650
 F-PLACE4000654
 F-PLACE4000670//ESTs//6.1e-88:411:100//Hs.130688:AI028132
 F-SKNMC1000011//Centromere protein B (80kD)//0.0013:243:62//Hs.85004:X05299
 F-SKNMC1000013//ESTs, Highly similar to MULTIDRUG RESISTANCE PROTEIN HOMOLOG 50 [Drosophila
 35 melanogaster]//2.5e-36:197:96//Hs.118634:U66688
 F-SKNMC1000046//Homo sapiens mRNA for KIAA0654 protein, partial cds//2.5e-148:706:98//Hs.109299:
 AB014554
 F-SKNMC1000050//Calpain, large polypeptide L2//4.1e-53:330:90//Hs.76288:M23254
 F-SKNMC1000091//ESTs//3.3e-64:420:88//Hs.90997:AA946877
 40 F-THYRO1000017//Human mRNA for KIAA0315 gene, partial cds//1.0:310:60//Hs.3989:AB002313
 F-THYRO1000026//H.sapiens OBF-1 mRNA for octamer binding factor 1//2.9e-35:299:81//Hs.2407:Z49194
 F-THYRO1000034
 F-THYRO1000035//ESTs//4.1e-37:317:79//Hs.141254:AI334099
 F-THYRO1000040//ESTs//0.30:331:59//Hs.87176:AI148326
 45 F-THYRO1000070//Human mRNA for KIAA0347 gene, complete cds//0.069:278:63//Hs.101996:AB002345
 F-THYRO1000072//Homo sapiens clone 23584 mRNA sequence//8.7e-86:722:77//Hs.6654:AB014557
 F-THYRO1000085
 F-THYRO1000092//ESTs//3.1e-100:469:99//Hs.132207:AI148065
 F-THYRO1000107
 50 F-THYRO1000111//Human Line-1 repeat mRNA with 2 open reading frames//6.8e-106:690:86//Hs.23094:M19503
 F-THYRO1000121
 F-THYRO1000124//Human mRNA for alanine aminotransferase//0.0026:420:58//Hs.103502:U70732
 F-THYRO1000129//Homo sapiens TED protein (TED).mRNA, complete cds//2.8e-155:732:98//Hs.87619:
 AF087142
 55 F-THYRO1000132//ESTs//1.9e-35:164:79//Hs.139179:AA650203
 F-THYRO1000156//EST//0.32:102:68//Hs.139634:AA478416
 F-THYRO1000163//Small inducible cytokine A5 (RANTES)//5.2e-50:331:85//Hs.155464:AF088219
 F-THYRO1000173//Human clathrin assembly protein 50 (AP50) mRNA, complete cds//1.1e-05:261:61//Hs.

EP 1 074 617 A2

152936:D63475
 F-THYRO1000186//H.sapiens mRNA for phosphoinositide 3-kinase//3.7e-41:270:87//Hs.101238:Y11312
 F-THYRO1000187//EST//0.11:227:62//Hs.101773:H23270
 F-THYRO1000190//ESTs//0.82:194:63//Hs.128818:AA976883
 5 F-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease//2.4e-175:805:99//Hs.43445:
 AJ005698
 F-THYRO1000199//Homo sapiens mRNA for KIAA0652 protein, complete cds//4.0e-88:616:84//Hs.79672:
 AB014552
 F-THYRO1000206//EST//0.96:291:61//Hs.104962:AA443848
 10 F-THYRO1000221//Human clone 23589 mRNA sequence//0.035:242:62//Hs.11506:U79297
 F-THYRO1000241//EST//0.48:102:69//Hs.160764:AI313322
 F-THYRO1000242//Zinc finger protein 84 (HPF2)//1.2e-42:534:64//Hs.9450:M27878
 F-THYRO1000253//Homo sapiens mRNA for KIAA0690 protein, partial cds//0.61:211:64//Hs.60103:AB014590
 F-THYRO1000270
 15 F-THYRO1000279//ESTs//0.0020:104:72//Hs.121476:AI215500
 F-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds//1.3e-180:848:98//Hs.25846:AB016068
 F-THYRO1000320//ESTs, Weakly similar to Similar to glutamate decarboxylase [C.elegans]//7.6e-92:431:99//Hs.
 122719:AA777803
 F-THYRO1000327//Autocrine motility factor receptor//2.8e-52:290:93//Hs.80731:M63175
 20 F-THYRO1000343//Homo sapiens mRNA for KIAA0790 protein, partial cds//7.2e-164:763:98//Hs.12002:
 AB018333
 F-THYRO1000358//Human selenium-binding protein (hSBP) mRNA, complete cds//6.9e-34:177:84//Hs.7833:
 U29091
 F-THYRO1000368//ESTs//0.0011:55:96//Hs.34994:AA252919
 25 F-THYRO1000381//Homo sapiens mRNA for KIAA0562 protein, complete cds//0.081:240:62//Hs.118401:
 AB011134
 F-THYRO1000387//EST//3.6e-14:197:71//Hs.139399:AA416855
 F-THYRO1000394//ESTs, Weakly similar to No definition line found [C.elegans]//5.8e-39:245:91//Hs.119095:
 T79413
 30 F-THYRO1000395//EST//5.8e-69:333:99//Hs.156524:AA724572
 F-THYRO1000401//ESTs//1.8e-24:132:98//Hs.54852:W26238
 F-THYRO1000438//EST//1.9e-05:217:63//Hs.115930:AA579773
 F-THYRO1000452//B cell lymphoma protein 6 (zinc finger protein 51)//0.096:306:60//Hs.155024:U00115
 F-THYRO1000471//Tyrosine aminotransferase//5.6e-44:403:77//Hs.2999:X52520
 35 F-THYRO1000484//EST, Weakly similar to putative p150 [H.sapiens]//8.9e-22:248:76//Hs.162011:AA513663
 F-THYRO1000488
 F-THYRO1000501//H.sapiens Staf50 mRNA//3.2e-75:615:77//Hs.68054:X82200
 F-THYRO1000502//ESTs//1.0:350:57//Hs.119749:AA689298
 F-THYRO1000505//Interleukin 13//0.95:245:60//Hs.845:U31120
 40 F-THYRO1000558//EST//1.3e-24:351:64//Hs.142326:AA351877
 F-THYRO1000569//Homo sapiens mRNA for dihydropyrimidinase related protein 4, complete cds//0.28:229:61//
 Hs.100058:AB006713
 F-THYRO1000570//EST//0.80:171:61//Hs.112790:AA609949
 F-THYRO1000585//Homo sapiens protein associated with Myc mRNA, complete cds//2.4e-168:808:97//Hs.
 45 151411:AF075587
 F-THYRO1000596//EST//9.5e-94:461:96//Hs.135397:AI056322
 F-THYRO1000602//EST//4.9e-06:80:80//Hs.162135:AA526331
 F-THYRO1000605//Guanylate cyclase 1, soluble, alpha 2//0.44:182:62//Hs.2685:Z50053
 F-THYRO1000625//Thromboxane A2 receptor//4.5e-45:323:82//Hs.89887:D38081
 50 F-THYRO1000637//ESTs//4.4e-24:255:75//Hs.101014:AA194941
 F-THYRO1000641//ESTs//0.00017:375:58//Hs.32703:AA054125
 F-THYRO1000658//CD4 receptor (exons 1 and 2) [human, T-lymphocyte, mRNA, 3429 nt]//1.8e-09:127:77//Hs.
 116007:S79267
 F-THYRO1000662
 55 F-THYRO1000666//ESTs//1.9e-28:149:99//Hs.105187:AI394157
 F-THYRO1000676//CD4 receptor (exons 1 and 2) [human, T-lymphocyte, mRNA, 3429 nt]//5.7e-49:281:77//Hs.
 116007:S79267
 F-THYRO1000684//ESTs, Weakly similar to band-6-protein [H.sapiens]//0.46:368:57//Hs.26557:AA480380

EP 1 074 617 A2

F-THYRO1000699//ESTs//1.6e-10:314:65//Hs.139212:AA243452
 F-THYRO1000712//ESTs//3.3e-42:211:99//Hs.69330:AI056324
 F-THYRO1000715//Human plectin (PLEC1) mRNA, complete cds//2.9e-06:631:59//Hs.79706:U53204
 F-THYRO1000734//ESTs//8.4e-08:226:64//Hs.125754:AA806085
 5 F-THYRO1000748//Homo sapiens KIAA0411 mRNA, complete cds//3.1e-35:339:74//Hs.7977:AB007871
 F-THYRO1000756//Homo sapiens protocadherin (PCDH8) mRNA, complete cds//1.0:209:62//Hs.19492:
 AF061573
 F-THYRO1000777//Human mRNA for KIAA0147 gene, partial cds//0.00069:636:57//Hs.158132:D63481
 F-THYRO1000783//Homo sapiens Arp2/3 protein complex subunit p41-Arc (ARC41) mRNA, complete cds//0.70:
 10 452:58//Hs.11538:AF006084
 F-THYRO1000787
 F-THYRO1000793
 F-THYRO1000796
 F-THYRO1000805//Homo sapiens mRNA from chromosome 5q21-22, clone:sF2//9.4e-36:561:68//Hs.129685:
 15 AB002446
 F-THYRO1000815//Human mRNA for KIAA0118 gene, partial cds//1.2e-45:465:75//Hs.154326:D42087
 F-THYRO1000829//ESTs//1.7e-66:361:95//Hs.7906:H16339
 F-THYRO1000843
 F-THYRO1000852//ESTs//6.2e-23:204:81//Hs.144452:AA838788
 20 F-THYRO1000855//ESTs//0.049:159:64//Hs.163532:AI424170
 F-THYRO1000865//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.0e-33:
 190:75//Hs.133526:N21103
 F-THYRO1000895//ESTs//3.8e-24:191:84//Hs.132722:AA618531
 F-THYRO1000916//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//1.8e-43:318:79//Hs.
 25 92381:AB007956
 F-THYRO1000926//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds//3.0e-179:
 839:98//Hs.78106:AF079529
 F-THYRO1000934//PYRROLINE-5-CARBOXYLATE REDUCTASE//1.1e-33:759:63//Hs.79217:M77836
 F-THYRO1000951//MUELLERIAN INHIBITING FACTOR PRECURSOR//0.055:662:56//Hs.112432:AC005263
 30 F-THYRO1000952//Human mRNA for KIAA0208 gene, complete cds//0.98:177:65//Hs.83558:D86963
 F-THYRO1000974//Homo sapiens putative ATP-dependent mitochondrial RNA helicase (SUV3) mRNA, nuclear
 gene encoding mitochondrial protein, complete cds//2.7e-15:123:90//Hs.106469:AF042169
 F-THYRO1000975//EST//0.45:172:62//Hs.105449:AA513907
 F-THYRO1000983
 35 F-THYRO1000984//EST//0.0075:119:65//Hs.150347:AA984646
 F-THYRO1000988//ESTs//0.056:99:71//Hs.153409:AI224307
 F-THYRO1001003
 F-THYRO1001031//Thiopurine S-methyltransferase//3.8e-44:568:71//Hs.51124:AF019369
 F-THYRO1001033//H.sapiens mRNA for cyclicin II//0.0061:287:60//Hs.3232:Z46788
 40 F-THYRO1001062//ISLET AMYLOID POLYPEPTIDE PRECURSOR//3.2e-45:394:79//Hs.51048:X68830
 F-THYRO1001093//Human mRNA for KIAA0355 gene, complete cds//3.4e-33:421:72//Hs.153014:AB002353
 F-THYRO1001100//Human DNA-binding protein mRNA, 3'end//2.1e-74:741:74//Hs.159249:Z99130
 F-THYRO1001120//Homo sapiens deltex (Dx) mRNA, complete cds//4.5e-18:447:62//Hs.124024:AF053700
 F-THYRO1001121//ESTs//0.92:257:61//Hs.118246:N95416
 45 F-THYRO1001133//EST//1.1e-38:367:75//Hs.144175:H70425
 F-THYRO1001134//ESTs//1.4e-28:186:91//Hs.109468:W52074
 F-THYRO1001142//ESTs//1.8e-44:332:82//Hs.146811:AA410788
 F-THYRO1001173
 F-THYRO1001177//ESTs//7.7e-40:240:84//Hs.155384:Z78385
 50 F-THYRO1001189//ESTs//2.1e-36:323:76//Hs.120206:AI089163
 F-THYRO1001204
 F-THYRO1001213//Small inducible cytokine A5 (RANTES)//3.1e-43:256:81//Hs.155464:AF088219
 F-THYRO1001262//ESTs//7.9e-44:279:87//Hs.138856:H47461
 F-THYRO1001271//Homo sapiens mRNA for synaptogyrin 3//0.0045:273:60//Hs.6467:AJ002309
 55 F-THYRO1001287//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds//0.014:178:66//Hs.125315:
 AF027156
 F-THYRO1001290//ESTs//3.9e-43:145:99//Hs.147797:AA069836
 F-THYRO1001313//ESTs//1.0:244:61//Hs.127488:AA528182

EP 1 074 617 A2

F-THYRO1001320//ESTs//0.062:126:67//Hs.133296:AI311872
 F-THYRO1001321//Homo sapiens DEC-205 mRNA, complete cds//2.5e-35:560:68//Hs.153563:AF011333
 F-THYRO1001322//ESTs//0.12:238:61//Hs.29169:N66545
 F-THYRO1001347//ESTs//7.5e-61:293:99//Hs.129962:AA927207
 5 F-THYRO1001363//ESTs//1.0e-16:178:78//Hs.163954:N57939
 F-THYRO1001365//Homo sapiens KIAA0417 mRNA, complete cds//3.6e-18:187:79//Hs.12385:AB007877
 F-THYRO1001374//Homo sapiens mRNA for KIAA0707 protein, partial cds//7.4e-157:740:97//Hs.138488:
 AB014607
 F-THYRO1001401//EST//4.6e-14:171:76//Hs.157587:AI356993
 10 F-THYRO1001403//ESTs//2.2e-50:464:79//Hs.118046:N49946
 F-THYRO1001405//ESTs//1.7e-44:226:98//Hs.156667:AI347694
 F-THYRO1001406//Hydroxysteroid (17-beta) dehydrogenase 3//2.8e-20:459:62//Hs.477:U05659
 F-THYRO1001411//ESTs//1.9e-41:342:78//Hs.146811:AA410788
 F-THYRO1001426//Human ring zinc-finger protein (ZNF127-Xp) gene and 5' flanking sequence//4.6e-33:153:81//
 15 Hs.102877:U41315
 F-THYRO1001434//ESTs//1.1e-07:274:60//Hs.151093:AI224099
 F-THYRO1001458//Myosin, heavy polypeptide 9, non-muscle//6.2e-60:653:71//Hs.44782:Z82215
 F-THYRO1001480//ISLET AMYLOID POLYPEPTIDE PRECURSOR//1.3e-42:370:78//Hs.51048:X68830
 F-THYRO1001487//EST//1.0:88:71//Hs.160760:AI311943
 20 F-THYRO1001534//ESTs//1.2e-94:457:98//Hs.125523:AA883904
 F-THYRO1001537//ESTs//3.5e-94:469:97//Hs.106448:R76663
 F-THYRO1001541//EST//1.4e-10:158:65//Hs.145159:AI150211
 F-THYRO1001559//ESTs//1.4e-07:91:81//Hs.43507:N24046
 F-THYRO1001570//ESTs//2.3e-41:280:80//Hs.119752:AA703335
 25 F-THYRO1001573//Homo sapiens clone 24778 unknown mRNA//2.7e-105:546:95//Hs.25306:AF070572
 F-THYRO1001584//Human RGP3 mRNA, complete cds//0.14:335:58//Hs.82294:U27655
 F-THYRO1001595//Human RSU-1/RSP-1 mRNA, complete cds//3.6e-35:165:84//Hs.75551:L12535
 F-THYRO1001602//ESTs//3.1e-42:350:80//Hs.138384:R72849
 F-THYRO1001605//EST//0.11:426:57//Hs.151206:AI126071
 30 F-THYRO1001617//ESTs//5.2e-43:345:81//Hs.8710:W07046
 F-THYRO1001637//ESTs, Weakly similar to anion exchanger [H.sapiens]//5.2e-13:108:86//Hs.141045:AA191659
 F-THYRO1001656//Solute carrier family 2 (facilitated glucose transporter), member 4//0.099:540:55//Hs.95958:
 M91463
 F-THYRO1001661//ESTs//0.12:53:92//Hs.151586:W45568
 35 F-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform//8.0e-166:780:98//
 Hs.118633:AJ225089
 F-THYRO1001673//Von Hippel-Lindau syndrome//4.6e-25:212:73//Hs.78160:AF010238
 F-THYRO1001703//Homo sapiens clone 24767 mRNA sequence//0.27:421:57//Hs.122908:AF070552
 F-THYRO1001706//ESTs//1.8e-24:142:95//Hs.112536:AI147691
 40 F-THYRO1001721//ESTs, Highly similar to RING CANAL PROTEIN [Drosophila melanogaster]//2.5e-51:296:92//
 Hs.3826:U69560
 F-THYRO100173 8//EST//6.9e-30:180:94//Hs.58641:W81229
 F-THYRO1001745//ESTs//6.1e-49:244:98//Hs.97534:AA398813
 F-THYRO1001746//EST//0.96:119:63//Hs.144107:AI053590
 45 F-THYRO1001772//ESTS, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.2e-21:
 182:81//Hs.118053:N75725
 F-THYRO1001793//ESTs//1.9e-93:439:99//Hs.150116:AI299324
 F-THYRO1001809//Human mRNA for KIAA0297 gene, partial cds//0.47:168:67//Hs.11711:AB002295
 F-THYRO1001828
 50 F-THYRO1001854//EST//0.038:128:67//Hs.160649:AI241823
 F-THYRO1001895//Intercellular adhesion molecule 1 (CD54), human rhinovirus receptor//9.6e-13:288:65//Hs.
 51061:M24283
 F-THYRO1001907//EST//1.9e-12:126:80//Hs.139296:AA350198
 F-VESEN1000122
 55 F-Y79AA1000013//ESTs//1.7e-72:369:96//Hs.97176:AA447885
 F-Y79AA1000033
 F-Y79AA1000037//Murine leukemia viral (bmi-1) oncogene homolog//7.8e-21:230:66//Hs.431:L13689
 F-Y79AA1000059//Homo sapiens immunophilin homolog ARA9 mRNA, complete cds//7.3e-40:629:64//Hs.75305:

U78521
 F-Y79AA1000065//CD81 ANTIGEN//0.0050:241:60//Hs.54457:M33680
 F-Y79AA1000131//Guanylate cyclase 1, soluble, alpha 2//0.078:477:58//Hs.2685:Z50053
 F-Y79AA1000181//Fatty acid synthase {3' region} [human, breast and HepG2 cells, mRNA Partial, 2237 nt]//
 5 0.0022:684:58//Hs.83190:U29344
 F-Y79AA1000202//ESTs//2.5e-17:143:86//Hs.76925:AA211860
 F-Y79AA1000214//Homo sapiens histone H2A.F/Z variant (H2AV) mRNA, complete cds//3.9e-73:345:100//Hs.
 9242:AF081192
 F-Y79AA1000230//Polymeric immunoglobulin receptor//0.98:335:59//Hs.842:X73079
 10 F-Y79AA1000231//ESTs//0.11:209:66//Hs.132184:AI278623
 F-Y79AA1000258//Homo sapiens metase (MET-1) mRNA, complete cds//0.30:444:61//Hs.99941:L23134
 F-Y79AA1000268//Human mRNA for KIAA0367 gene, partial cds//9.1e-11:300:64//Hs.23311:AB002365
 F-Y79AA1000313//Human mRNA for KIAA0129 gene, complete cds//0.89:744:56//Hs.44361:D50919
 F-Y79AA1000328
 15 F-Y79AA1000342//Homo sapiens OPA-containing protein mRNA, complete cds//8.4e-15:223:75//Hs.85313:
 AF071309
 F-Y79AA1000346
 F-Y79AA1000349//ALPHA-2C-1 ADRENERGIC RECEPTOR//8.3e-06:180:73//Hs.123022:J03853
 F-Y79AA1000355
 20 F-Y79AA1000368//ESTs//0.0062:235:64//Hs.114777:AA782908
 F-Y79AA1000405//ESTs//0.76:244:62//Hs.153027:AA648897
 F-Y79AA1000410//Small inducible cytokine A5 (RANTES)//8.1e-31:229:83//Hs.155464:AF088219
 F-Y79AA1000420//ESTs//1.1e-53:271:87//Hs.13056:AA181018
 F-Y79AA1000469//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//0.0047:315:66//Hs.26285:
 25 AF082516
 F-Y79AA1000480
 F-Y79AA1000538//ESTs//5.7e-09:110:77//Hs.98790:AA284871
 F-Y79AA1000539//ESTs//2.6e-52:412:77//Hs.81648:W26521
 F-Y79AA1000540//Homo sapiens chromosome 7q22 sequence//0.70:133:69//Hs.151555:AF053356
 30 F-Y79AA1000560//Homo sapiens gamma2-adaptin (G2AD) mRNA, complete cds//1.2e-07:371:63//Hs.8991:
 AF068706
 F-Y79AA1000574//Human mRNA for GC box bindig protein, complete cds//0.95:258:62//Hs.150557:D31716
 F-Y79AA1000589//Homo sapiens clone 614 unknown mRNA, complete sequence//2.8e-154:755:97//Hs.21811:
 AF091080
 35 F-Y79AA1000627//Homo sapiens zinc finger protein (ZF5128)mRNA, complete cds//1.7e-136:644:98//Hs.60580:
 AF060503
 F-Y79AA1000705//Homo sapiens CHD1 mRNA, complete cds//0.0023:523:59//Hs.22670:AF006513
 F-Y79AA1000734//Homo sapiens peroxisomal biogenesis factor (PEX11b) mRNA, complete cds//1.6e-181:850:
 98//Hs.83023:AF093670
 40 F-Y79AA1000748//ESTs//4.2e-12:95:90//Hs.33687:R85969
 F-Y79AA1000752//ESTs//8.1e-114:551:97//Hs.153471:AI198377
 F-Y79AA1000774//ESTs//2.9e-59:296:98//Hs.150536:W20067
 F-Y79AA1000782//EST//0.97:78:69//Hs.147351:AI208468
 F-Y79AA1000784//Homo sapiens RanBP7/importin 7 mRNA, complete cds//1.1e-178:847:97//Hs.5151:
 45 AF098799
 F-Y79AA1000794//G-rich RNA sequence binding factor 1//0.83:228:61//Hs.79295:U07231
 F-Y79AA1000800//Homo sapiens GABA-B receptor mRNA, complete cds//0.12:244:60//Hs.12307:AF056085
 F-Y79AA1000802//Homo sapiens actin binding protein MAYVEN mRNA, complete cds//0.87:466:59//Hs.122967:
 AF059569
 50 F-Y79AA1000805
 F-Y79AA1000824//Titin//1.0:437:58//Hs.83049:X90568
 F-Y79AA1000827//Fatty acid synthase {3' region} [human, breast and HepG2 cells, mRNA Partial, 2237 nt]//
 0.0048:630:57//Hs.83190:U29344
 F-Y79AA1000833//TUBULIN ALPHA-4 CHAIN//6.9e-107:603:90//Hs.75318:X06956
 55 F-Y79AA1000850//ESTs, Weakly similar to T22C1.7 [C.elegans]//6.0e-77:368:99//Hs.86660:AA398644
 F-Y79AA1000962//Homo sapiens orphan nuclear hormone receptor BD73 mRNA, 3' end//0.14:499:58//Hs.37288:
 D16815
 F-Y79AA1000966//ESTs//0.80:52:86//Hs.6671:AI341699

EP 1 074 617 A2

F-Y79AA1000968//ESTs, Moderately similar to initiation factor eIF-2B gamma subunit [R.norvegicus]//6.9e-69:
 310:94//Hs.76822:AI359536
 F-Y79AA1000969//LYMPHOTOXIN-BETA RECEPTOR PRECURSOR//1.0:150:64//Hs.1116:L04270
 F-Y79AA1000976//Arachidonate 15-lipoxygenase//0.87:174:66//Hs.73809:M23892
 5 F-Y79AA1000985//Human plectin (PLEC1) mRNA, complete cds//0.091:385:58//Hs.79706:U53204
 F-Y79AA1001023
 F-Y79AA1001041//Human mutY homolog (hMYH) gene, complete cds//0.99:37:100//Hs.78489:U63329
 F-Y79AA1001048//Acyl-Coenzyme A dehydrogenase, very long chain//8.7e-30:772:60//Hs.82208:L46590
 F-Y79AA1001061//ESTs//6.3e-41:303:84//Hs.55855:AA621381
 10 F-Y79AA1001068//EST//3.0e-23:165:90//Hs.157607:AI357511
 F-Y79AA1001077//ESTs//4.9e-40:237:94//Hs.11197:AA309047
 F-Y79AA1001078
 F-Y79AA1001105//Homo sapiens homeodomain protein (OG12) mRNA, complete cds//6.5e-11:247:66//Hs.
 55967:AF022654
 15 F-Y79AA1001145//ESTs//1.3e-20:234:75//Hs.55855:AA621381
 F-Y79AA1001167//Homo sapiens mRNA for KIAA0750 protein, complete cds//1.0:155:63//Hs.5444:AB018293
 F-Y79AA1001177//Human hSLAH2 mRNA, complete cds//6.5e-09:299:65//Hs.20191:U76248
 F-Y79AA1001185//ESTs//1.7e-56:318:93//Hs.102991:AA639646
 F-Y79AA1001211//ESTs//9.1e-108:503:99//Hs.100605:AA305965
 20 F-Y79AA1001216//Peroxisome receptor 1//0.00028:458:57//Hs.158084:Z48054
 F-Y79AA1001228//Fragile X mental retardation 2//0.040:207:64//Hs.54472:U48436
 F-Y79AA1001233//ESTRADIOL 17 BETA-DEHYDROGENASE 1//6.5e-25:731:60//Hs.85279:U34879
 F-Y79AA1001236//Homo sapiens mRNA for JM23 protein, complete coding sequence (clone IMAGE 34581 and
 IMAGE 45355 and LLNLc1101133Q7 (RZPD Berlin))//4.0e-135:441:97//Hs.23170:AJ005892
 25 F-Y79AA1001281//ESTs//2.7e-21:157:88//Hs.163825:AI393240
 F-Y79AA1001299//Human Inl1 mRNA, complete cds//2.2e-116:323:93//Hs.155626:U04847
 F-Y79AA1001312//ESTs//3.7e-95:448:99//Hs.104469:W38395
 F-Y79AA1001323//ESTs//8.9e-50:340:86//Hs.144198:AI017555
 F-Y79AA1001384
 30 F-Y79AA1001391//Human Hoxb-13 mRNA, complete cds//8.6e-42:505:70//Hs.66731:U81599
 F-Y79AA1001394//ESTs, Weakly similar to F54B3.3 [C.elegans]//1.5e-90:424:96//Hs.154221:H23167
 F-Y79AA1001402//ESTs//1.0:245:62//Hs.134695:AI088489
 F-Y79AA1001493//SRY (sex determining region Y)-box 4//0.38:311:61//Hs.83484:X70683
 F-Y79AA1001511//ESTs//9.9e-105:487:99//Hs.153581:AA630465
 35 F-Y79AA1001533//ESTs, Highly similar to RETROVIRUS-RELATED POL POLYPROTEIN [Homo sapiens]//0.95:
 256:63//Hs.29974:AI360447
 F-Y79AA1001541//EST//0.96:202:61//Hs.99141:AA447744
 F-Y79AA1001548//ESTs//2.6e-25:166:90//Hs.164036:AA845659
 F-Y79AA1001555//ESTs//1.6e-35:191:97//Hs.52885:H29851
 40 F-Y79AA1001581//Cyclin-dependt kinase inhibitor 1C (p57, Kip2)//2.5e-05:272:64//Hs.106070:U22398
 F-Y79AA1001585//ESTs//1.1e-84:473:93//Hs.42547:AA210783
 F-Y79AA1001594//ESTs//1.7e-08:169:71//Hs.97366:AA393109
 F-Y79AA1001603//ESTs//4.6e-07:429:59//Hs.160422:AI363426
 F-Y79AA1001613//Homo sapiens mRNA for KIAA0683 protein, complete cds//0.00078:520:57//Hs.12334:
 45 AB014583
 F-Y79AA1001647//ESTs, Weakly similar to ZK1058.5 [C.elegans]//9.4e-79:421:94//Hs.107039:W27244
 F-Y79AA1001665//VON WILLEBRAND FACTOR PRECURSOR//1.0:386:60//Hs.110802:X04385
 F-Y79AA1001679//Guanine nucleotide binding protein (G protein), beta polypeptide 1//0.88:243:61//Hs.3620:
 X04526
 50 F-Y79AA1001692//Insulin-like growth factor binding protein 2//1.9e-06:426:59//Hs.162:X16302
 F-Y79AA1001696//ESTs//2.3e-44:249:94//Hs.163665:AA250877
 F-Y79AA1001705//Homo sapiens interleukin-1 receptor-associated kinase (IRAK) mRNA, complete cds//0.19:
 609:58//Hs.77297:L76191
 F-Y79AA1001711//ESTs//5.2e-29:224:83//Hs.100461:AI018620
 55 F-Y79AA1001781//Homo sapiens KIAA0443 mRNA, complete cds//0.49:183:66//Hs.113082:AB007903
 F-Y79AA1001805//ESTs//1.1e-62:315:98//Hs.16141:W56079
 F-Y79AA1001827//ESTs, Weakly similar to Similar to S.cerevisiae YD9335.03c protein [H.sapiens]//2.9e-62:313:
 98//Hs.15709:W81213

EP 1 074 617 A2

F-Y79AA1001846//ESTs//9.4e-16:146:82//Hs.140588:H60533
 F-Y79AA1001848//ESTs, Weakly similar to KIAA0390 [H.sapiens]//1.6e-19:142:90//Hs.103349:AI141124
 F-Y79AA1001866//Homo sapiens mRNA for zinc finger protein 10//5.1e-09:215:67//Hs.104115:X52332
 F-Y79AA1001874//Homo sapiens Jagged 2 mRNA, complete cds//5.4e-06:412:62//Hs.106387:AF029778
 5 F-Y79AA1001875//ESTs//6.8e-09:198:67//Hs.138036:AI343173
 F-Y79AA1001923//Homo sapiens growth-arrest-specific protein (gas) mRNA, complete cds//0.98:430:58//Hs.78501:L13720
 F-Y79AA1001963//ESTs//8.1e-131:642:97//Hs.54971:AI424382
 F-Y79AA1002027//ESTs//0.00042:58:91//Hs.5375:AA620611
 10 F-Y79AA1002083//ESTs//2.5e-51:285:95//Hs.117205:W88943
 F-Y79AA1002089//ESTs, Weakly similar to putative p150 [H.sapiens]//8.3e-53:348:88//Hs.18122:AI338045
 F-Y79AA1002093
 F-Y79AA1002103//ESTs//1.5e-15:223:71//Hs.97427:AA411865
 F-Y79AA1002115
 15 F-Y79AA1002125//ESTs//6.5e-41:206:99//Hs.159257:N40395
 F-Y79AA1002139//ESTs, Weakly similar to B0035.14 [C.elegans]//1.2e-24:165:90//Hs.6473:AA853955
 F-Y79AA1002204//Homo sapiens mRNA for KIAA0638 protein, partial cds//9.5e-05:393:62//Hs.77864:AB014538
 F-Y79AA1002208//ESTs//2.7e-13:211:69//Hs.112469:AA598515
 F-Y79AA1002209//ESTs, Weakly similar to TYROSYL-TRNA SYNTHETASE [Bacillus caldodenax]//2.3e-113:568:96//Hs.111637:AA305890
 20 F-Y79AA1002210//ESTs, Weakly similar to D2045.8 [C.elegans]//8.6e-33:338:73//Hs.26662:U55984
 F-Y79AA1002211//ESTs//2.6e-15:121:75//Hs.159584:AA524477
 F-Y79AA1002220//EST//0.010:360:60//Hs.136341:AA482508
 F-Y79AA1002229//Human mRNA for KIAA0086 gene, complete cds//0.0041:203:63//Hs.1560:D42045
 25 F-Y79AA1002234//Homo sapiens mRNA for KIAA0692 protein, partial cds//4.1e-176:821:98//Hs.100729:AB014592
 F-Y79AA1002246//Human involucrin mRNA//5.6e-05:525:59//Hs.157091:M13903
 F-Y79AA1002258//Homo sapiens mRNA for KIAA0655 protein, partial cds//2.2e-160:748:98//Hs.96731:AB014555
 30 F-Y79AA1002298//ESTs//2.5e-05:115:77//Hs.87164:T84489
 F-Y79AA1002307//Homo sapiens mRNA for KIAA0634 protein, partial cds//2.1e-130:622:97//Hs.30898:AB014534
 F-Y79AA1002311//ESTs//4.9e-19:126:94//Hs.58595:AA830999
 F-Y79AA1002351//Human high conductance inward rectifier potassium channel alpha subunit mRNA, complete cds//0.028:587:58//Hs.2363:L36069
 35 F-Y79AA1002361//ESTs//8.7e-29:149:100//Hs.156074:AA824377
 F-Y79AA1002399
 F-Y79AA1002407//ESTs//1.5e-25:183:89//Hs.110031:T52569
 F-Y79AA1002416//CTP synthetase//9.1e-51:489:72//Hs.84112:X52142
 40 F-Y79AA1002431
 F-Y79AA1002433//EST//0.0037:94:71//Hs.136780:AA772318
 F-Y79AA1002472//Homo sapiens DNA from chromosome 19, BAC 33152//1.1e-37:263:69//Hs.55452:AC003973
 F-Y79AA1002482//ESTs//1.4e-49:313:80//Hs.132590:AI160765
 F-Y79AA1002487//Insulin-like growth factor binding protein 2//0.43:249:61//Hs.162:X16302
 45

Homology Search Result Data 5.

[0310] The result of the homology search of the Human Unigene using the clone sequence of 3'-end.

[0311] Data include

the name of clone,
 title of the top hit data,
 the P-value: the length of the compared sequence: identity (%), and
 the Accession No. of the top hit data, as in the order separated by //.

[0312] Blank indicates that the 3'-end sequence corresponding to the 5'-end was not determined in the clone.

[0313] Data are not shown for the clones in which the P-value was higher than 1.

- R-HEMBA1000005//ESTs, Highly similar to HYPOTHETICAL 31.6 KD PROTEIN F54F2.9 IN CHROMOSOME III [Caenorhabditis elegans]//5.6e-93:501:93//Hs.13015:AA628434
- R-HEMBA1000030//Human POU domain protein (Bm-3b) mRNA, complete cds//0.83:314:61//Hs.266:U06233
- R-HEMBA1000042//Archaea//1.4e-45:282:89//Hs.33642:X81198
- 5 R-HEMBA1000046//Human mRNA for KIAA0118 gene, partial cds//8.3e-52:528:72//Hs.154326:D42087
- R-HEMBA1000050//EST//0.043:155:63//Hs.149031:AI243340
- R-HEMBA1000076//ESTs//3.1e-77:394:97//Hs.111742:R39329
- R-HEMBA1000111//ESTs//1.7e-33:228:85//Hs.146811:AA410788
- R-HEMBA1000129//ESTs, Weakly similar to contains similarity to helicases [C.elegans]//4.4e-90:502:90//Hs.55918:AA151667
- 10 R-HEMBA1000141//Homo sapiens mRNA for KIAA0797 protein, partial cds//2.1e-100:514:94//Hs.27197:AB018340
- R-HEMBA1000150//Homo sapiens mRNA for KIAA0640 protein, partial cds//3.1e-45:435:77//Hs.153026:AB014540
- 15 R-HEMBA1000158//ESTs, Moderately similar to The KIAA0138 gene product is novel. [H.sapiens]//7.7e-92:428:100//Hs.126925:AA931237
- R-HEMBA1000158
- R-HEMBA1000180//ESTs, Weakly similar to F13B12.1 [C.elegans]//1.3e-05:58:91//Hs.5570:AI377863
- R-HEMBA1000180//ESTs//7.7e-90:461:95//Hs.159200:N50545
- 20 R-HEMBA1000185//ESTs//1.3e-72:371:96//Hs.134506:AA308366
- R-HEMBA1000193//ESTs//4.2e-103:481:99//Hs.143251:AA769927
- R-HEMBA1000201//Human Ini1 mRNA, complete cds//3.0e-25:137:99//Hs.155626:U04847
- R-HEMBA1000213//ESTs//5.4e-85:465:94//Hs.23412:AA133311
- R-HEMBA1000216//ESTs//3.0e-37:311:79//Hs.137875:AA993532
- 25 R-HEMBA1000231//Homo sapiens KIAA0414 mRNA, partial cds//2.7e-34:287:70//Hs.127649:AB007874
- R-HEMBA1000243//Homo sapiens mRNA for KIAA0475 protein, complete cds//1.3e-23:276:75//Hs.5737:AB007944
- R-HEMBA1000244//ESTs//2.3e-88:455:96//Hs.8929:AA719019
- 30 R-HEMBA1000251//ESTs//0.96:411:56//Hs.120277:AI243808
- R-HEMBA1000264//ESTs//3.7e-97:487:96//Hs.29258:W37424
- R-HEMBA1000282//ESTs, Moderately similar to ovarian-specific protein [R.norvegicus]//4.9e-14:208:73//Hs.93332:AA811920
- R-HEMBA1000282//ESTs//2.5e-38:216:94//Hs.120757:R92485
- 35 R-HEMBA1000288//ESTs//2.6e-43:289:86//Hs.151365:AA643962
- R-HEMBA1000290//ESTs//5.1e-110:543:96//Hs.139068:AA516409
- R-HEMBA1000302//Homo sapiens mRNA for KIAA0527 protein, partial cds//1.0:122:67//Hs.129748:AB011099
- R-HEMBA1000302//ESTs//7.4e-76:386:97//Hs.22276:AA191323
- R-HEMBA1000302//Human Ca²⁺-dependent activator protein for secretion mRNA, complete cds//8.8e-30:160:98//Hs.151301:U36448
- 40 R-HEMBA1000307//ESTs, Highly similar to 8A-2V protein [M.musculus]//1.1e-103:489:99//Hs.108881:AI018024
- R-HEMBA1000307//ESTs//9.3e-99:472:98//Hs.163512:AA903238
- R-HEMBA1000338//EST//5.1e-49:278:92//Hs.150815:AI302560
- R-HEMBA1000351//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//1.1e-42:270:88//Hs.73614:U83460
- 45 R-HEMBA1000355//ESTs//1.0e-105:531:96//Hs.61762:AI422243
- R-HEMBA1000357//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//9.4e-89:432:87//Hs.139107:K00629
- R-HEMBA1000366//ESTs//1.1e-99:524:95//Hs.11785:T65857
- 50 R-HEMBA1000369//ESTs//6.5e-70:355:96//Hs.124847:AA843938
- R-HEMBA1000376//Human mRNA for KIAA0205 gene, complete cds//3.6e-44:388:77//Hs.3610:D86960
- R-HEMBA1000387//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//5.5e-47:337:83//Hs.73614:U83460
- R-HEMBA1000390//Oxytocin receptor//2.4e-16:428:62//Hs.2820:X64878
- 55 R-HEMBA1000392//ESTs//3.9e-105:531:96//Hs.130661:AI340248
- R-HEMBA1000396//ESTs, Weakly similar to line-1 protein ORF2 [H.sapiens]//1.1e-44:447:75//Hs.42849:N31920
- R-HEMBA1000411//ESTs, Weakly similar to ankyrin 3, long form [H.sapiens]//6.1e-92:373:99//Hs.48675:AI005282

EP 1 074 617 A2

R-HEMBA1000418//ESTs//3.1e-66:315:100//Hs.94133:AI270700
 R-HEMBA1000422//ESTs//1.6e-99:464:99//Hs.33024:AA002140
 R-HEMBA1000428//Homo sapiens mRNA for oligophrenin 1//4.9e-85:535:87//Hs.158122:AJ001189
 R-HEMBA1000434//ESTs//3.7e-53:266:99//Hs.22782:Z38143
 5 R-HEMBA1000442//ESTs//0.93:322:57//Hs.144763:AI218014
 R-HEMBA1000456//ESTs//4.1e-48:277:93//Hs.6937:AA524349
 R-HEMBA1000459//ESTs//0.010:184:63//Hs.128797:AI246316
 R-HEMBA1000460
 R-HEMBA1000464//EST//0.082:87:70//Hs.147977:AI262370
 10 R-HEMBA1000469//Small inducible cytokine A5 (RANTES)//1.4e-65:494:81//Hs.155464:AF088219
 R-HEMBA1000488//ESTs, Weakly similar to The KIAA0132 gene product is related to Drosophila melanogaster
 ring canel protein. [H.sapiens]//1.1e-31:181:94//Hs.61454:AA312449
 R-HEMBA1000490//ESTs//6.4e-17:132:86//Hs.32855:N25528
 R-HEMBA1000491//ESTs//2.2e-22:171:85//Hs.8035:AA195087
 15 R-HEMBA1000504//ESTs//0.016:282:58//Hs.130778:AI077571
 R-HEMBA1000505//EST//6.1e-15:116:87//Hs.162783:AA627318
 R-HEMBA1000508//ESTs//1.1e-28:244:81//Hs.132722:AA618531
 R-HEMBA1000518//EST//0.60:141:60//Hs.97831:AA400885
 R-HEMBA1000519//ESTs//2.8e-64:334:96//Hs.97885:AA402414
 20 R-HEMBA1000520//ESTs//6.9e-104:503:97//Hs.18370:AA947280
 R-HEMBA1000523//Cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kD//4.0e-55:203:92//Hs.155510:
 U15782
 R-HEMBA1000531//ESTs, Weakly similar to HEAT SHOCK 70 KD PROTEIN 1 [H.sapiens]//1.3e-117:550:99//Hs.
 99722:AI422277
 25 R-HEMBA1000540//ESTs//4.7e-72:350:98//Hs.109755:AA180809
 R-HEMBA1000545//Homo sapiens clone 23892 mRNA sequence//3.7e-68:549:80//Hs.91916:AF035317
 R-aaaaaaaaaaaaaa//ESTs//2.3e-66:342:97//Hs.71916:AA219699
 R-HEMBA1000557//EST//1.5e-49:297:90//Hs.149580:AI281881
 R-HEMBA1000561//ESTs, Moderately similar to zinc finger protein [R.norvegicus]//1.8e-108:550:96//Hs.26799:
 30 W74481
 R-HEMBA1000563//Adenosine kinase//0.16:367:58//Hs.94382:U50196
 R-HEMBA1000568//ESTs//5.1e-42:321:82//Hs.141024:H07128
 R-aaaaaaaaaaaaaa
 R-HEMBA1000575//ESTs//3.8e-45:352:80//Hs.146811:AA410788
 35 R-HEMBA1000588//ESTs//0.18:122:67//Hs.140507:AA761944
 R-HEMBA1000591//Homo sapiens mRNA for EIB-55kDa-associated protein//3.9e-113:591:94//Hs.155218:
 AJ007509
 R-HEMBA1000592//TYROSINE-PROTEIN KINASE
 ITK/TSK//0.024:309:61//Hs.89519:L10717
 40 R-HEMBA1000594//ESTs//8.6e-07:172:68//Hs.160289:AI168041
 R-HEMBA1000604//Human telomerase-associated protein TP-1 mRNA, complete cds//1.5e-19:129:93//Hs.
 158334:U86136
 R-HEMBA1000608//ESTs//2.2e-95:506:94//Hs.6103:AA496424
 R-HEMBA1000622//ESTs//3.8e-10:440:61//Hs.137538:AA769438
 45 R-HEMBA1000636//ESTs, Weakly similar to 50S RIBOSOMAL PROTEIN L20 [E.coli]//1.4e-86:422:97//Hs.26252:
 AA643235
 R-HEMBA1000637//Homo sapiens mRNA for KIAA0690 protein, partial cds//3.7e-99:443:97//Hs.60103:
 AB014590
 R-HEMBA1000655//Human mRNA for KIAA0392 gene, partial cds//1.3e-50:426:79//Hs.40100:AB002390
 50 R-HEMBA1000657//ESTs//3.0e-74:419:93//Hs.109477:AA477929
 R-HEMBA1000662//EST//1.1e-90:425:99//Hs.122144:AA780136
 R-HEMBA1000673//ESTs//1.2e-101:473:99//Hs.138215:AI123922
 R-HEMBA1000682//ESTs, Weakly similar to putative pi 50 [H.sapiens]//3.5e-114:553:97//Hs.111730:AA604403
 R-HEMBA1000686//ESTs, Weakly similar to C27F2.7 gene product [C.elegans]//6.8e-18:137:86//Hs.7049:
 55 AI141736
 R-HEMBA1000702//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//7.4e-52:345:84//Hs.144563:
 AF057280
 R-HEMBA1000705//EST//0.21:139:63//Hs.132687:AI033672

EP 1 074 617 A2

R-HEMBA1000719//ESTs//8.4e-90:484:94//Hs.29005:AA477213
R-HEMBA1000722//ESTs, Weakly similar to similar to enoyl-CoA hydratases/isomerases [C.elegans]//7.2e-113:572:95//Hs.28644:AI018612
R-HEMBA1000726//ERYTHROCYTE BAND 7 INTEGRAL MEMBRANE PROTEIN//2.8e-40:449:75//Hs.74478:U33931
5 R-HEMBA1000727//ESTs//0.0047:267:60//Hs.133095:AA927777
R-HEMBA1000747//EST//3.9e-20:160:85//Hs.99048:AA446110
R-HEMBA1000749//Small inducible cytokine A5 (RANTES)//4.7e-37:286:82//Hs.155464:AF088219
R-HEMBA1000752//EST//0.041:39:94//Hs.127772:AA961131
10 R-HEMBA1000769//Homo sapiens mRNA for chemokine LEC precursor, complete cds//1.6e-32:309:75//Hs.10458:AF088219
R-HEMBA1000773//EST//7.5e-05:201:63//Hs.122887:AA767612
R-HEMBA1000774//Kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))//1.3e-48:284:90//Hs.103458:X53795
15 R-HEMBA1000791//Human mRNA for KIAA0118 gene, partial cds//1.2e-45:291:87//Hs.154326:D42087
R-HEMBA1000817//ESTs//8.3e-95:445:99//Hs.107357:AA983939
R-HEMBA1000822//ESTs//1.1e-107:522:97//Hs.92832:AA631027
R-HEMBA1000827//Homo sapiens Ser/Arg-related nuclear matrix protein (SRM160) mRNA, complete cds//2.2e-44:228:98//Hs.18192:AF048977
20 R-HEMBA1000843//Homo sapiens LIM protein mRNA, complete cds//6.6e-46:410:77//Hs.154103:AF061258
R-HEMBA1000851
R-HEMBA1000852//Aldehyde dehydrogenase 10 (fatty aldehyde dehydrogenase)//3.7e-33:284:80//Hs.159608:U46689
R-HEMBA1000867//EST//2.0e-17:211:74//Hs.145670:AI265794
25 R-HEMBA1000869//ESTs//3.1e-16:237:71//Hs.116518:AA653202
R-HEMBA1000870//ESTs//1.6e-43:222:98//Hs.69564:AA203608
R-HEMBA1000872//ESTs//1.9e-93:453:98//Hs.152622:AA594951
R-HEMBA1000876//Small inducible cytokine A5 (RANTES)//3.0e-41:329:79//Hs.155464:AF088219
R-HEMBA1000908//ESTs//1.6e-51:291:92//Hs.12247:AI203154
30 R-HEMBA1000910//EST//0.98:139:64//Hs.132687:AI033672
R-HEMBA1000918//EST//9.6e-30:152:84//Hs.162136:AA526508
R-HEMBA1000919
R-HEMBA1000934//ESTs//4.1e-38:254:89//Hs.87784:AA460597
R-HEMBA1000942//ESTs//3.5e-20:172:69//Hs.160065:AI018619
35 R-HEMBA1000943//Homo sapiens mRNA for KIAA0748 protein, complete cds//1.3e-44:281:78//Hs.33187:AB018291
R-HEMBA1000946//ESTs//1.6e-68:352:96//Hs.21331:H93074
R-HEMBA1000960//Homo sapiens tapasin (NGS-17) mRNA, complete cds//4.0e-61:347:81//Hs.5247:AF029750
R-HEMBA1000968//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0508//6.8e-51:362:84//Hs.159187:AB007977
40 R-HEMBA1000971//ESTs//2.8e-41:246:91//Hs.104287:AI363498
R-HEMBA1000972//Homo sapiens mRNA for XPR2 protein//7.3e-44:341:81//Hs.44766:AJ007590
R-HEMBA1000974//ESTs//1.4e-32:166:100//Hs.149274:AI018170
R-HEMBA1000975//Oxytocin receptor//2.7e-46:563:73//Hs.2820:X64878
45 R-HEMBA1000985//ESTs//4.4e-05:125:69//Hs.147434:AI214464
R-HEMBA1000986//ESTs//7.8e-44:266:84//Hs.163784:N54902
R-HEMBA1000991//EST//1.4e-42:162:86//Hs.149580:AI281881
R-HEMBA1001007
R-HEMBA1001008//ESTs//2.3e-82:463:92//Hs.10339:AA058764
50 R-HEMBA1001009//ESTs, Weakly similar to non-lens beta gamma-crystallin like protein [H.sapiens]//2.6e-58:280:100//Hs.128738:AA970836
R-HEMBA1001017//Homo sapiens mRNA for KIAA0468 protein, complete cds//3.3e-115:587:95//Hs.158287:AB007937
R-HEMBA1001019//Cell division cycle 2, G1 to S and G2 to M//1.1e-24:140:95//Hs.58393:X05360
55 R-HEMBA1001020//ESTs//0.52:86:72//Hs.69683:AA115292
R-HEMBA1001022//ESTs//3.4e-18:102:100//Hs.63243:AI123912
R-HEMBA1001024//ESTs//1.9e-07:262:61//Hs.124399:AA832336
R-HEMBA1001026//ESTs//0.0017:142:67//Hs.144109:AI345543

EP 1 074 617 A2

R-nnnnnnnnnnnnn//Ankyrin G//0.23:244:60//Hs.75893:U13616
R-HEMBA1001051//Homo sapiens mRNA for KIAA0621 protein, partial cds//6.4e-21:186:79//Hs.132942:AB014521
5 R-HEMBA1001052//ESTs//5.4e-107:497:99//Hs.121773:AI357886
R-HEMBA1001060//ESTs//1.1e-31:298:80//Hs.24821:AA044813
R-HEMBA1001071//Alpha-1 type 3 collagen//9.1e-34:179:98//Hs.119571:X14420
R-HEMBA1001077//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0492//2.7e-21:417:64//Hs.127338:AB007961
R-HEMBA1001080
10 R-HEMBA1001085//ESTs//1.9e-47:385:79//Hs.146811:AA410788
R-HEMBA1001088//ESTs//2.8e-102:548:93//Hs.127273:AA522674
R-HEMBA1001094
R-HEMBA1001099//ESTs//0.24:41:97//Hs.18612:T99245
R-HEMBA1001109//Small inducible cytokine A5 (RANTES)//2.4e-46:396:80//Hs.155464:AF088219
15 R-HEMBA1001121//ESTs//1.7e-15:216:71//Hs.141605:H92974
R-HEMBA1001122//ESTs//2.0e-90:474:94//Hs.107884:AA131320
R-HEMBA1001123//B-CELL GROWTH FACTOR PRECURSOR//2.7e-45:319:84//Hs.99879:M15530
R-HEMBA1001133//ESTs//1.2e-92:443:99//Hs.99626:AA632341
R-HEMBA1001137//ESTs//2.0e-86:426:97//Hs.157103:W60265
20 R-HEMBA1001140//Small inducible cytokine A5 (RANTES)//2.9e-45:323:83//Hs.155464:AF088219
R-HEMBA1001172//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.1e-39:309:82//Hs.96337:AA225358
R-HEMBA1001174//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0492//0.21:238:60//Hs.127338:AB007961
25 R-HEMBA1001197//ESTs//0.010:388:61//Hs.14881:R91896
R-HEMBA1001208//ESTs, Highly similar to Similar to S.cerevisiae hypothetical protein 5 [H.sapiens]//0.27:305:62//Hs.100238:U69194
R-HEMBA1001226//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.0e-54:333:81//Hs.113283:AF018080
R-HEMBA1001235//EST//2.3e-07:42:92//Hs.141620:N63316
30 R-HEMBA1001247//ESTs, Weakly similar to WWP2 [H.sapiens]//2.9e-20:160:87//Hs.103102:W55932
R-HEMBA1001257//ESTs//3.3e-112:544:97//Hs.128749:AA779728
R-HEMBA1001265//ESTs//8.7e-116:564:98//Hs.155150:AI061435
R-nnnnnnnnnnnnn//ESTs, Weakly similar to Lpa8p [S.cerevisiae]//2.4e-35:239:87//Hs.103919:AA159181
R-HEMBA1001286//ESTs//1.4e-97:507:95//Hs.26244:AI352674
35 R-HEMBA1001289//ESTs//8.2e-44:122:96//Hs.76267:AA877534
R-HEMBA1001294//ESTs//1.0:140:65//Hs.149638:AI298324
R-HEMBA1001299//Small inducible cytokine A5 (RANTES)//1.1e-45:307:84//Hs.155464:AF088219
R-HEMBA1001302//Homo sapiens mRNA for APC 2 protein, complete cds//0.53:89:68//Hs.20912:AB012162
R-HEMBA1001303//EST//0.00053:271:60//Hs.156148:AI333214
40 R-HEMBA1001310//ESTs//1.4e-91:486:93//Hs.86228:AA206019
R-HEMBA1001319//ESTs//0.051:228:61//Hs.99404:AA953977
R-HEMBA1001323//ESTs//6.2e-83:401:98//Hs.47343:AI282950
R-HEMBA1001326//ESTs, Weakly similar to HYPOTHETICAL 55.1 KD PROTEIN IN FAB1-PES4 INTERGENIC REGION [S.cerevisiae]//1.3e-77:458:92//Hs.9398:N41838
45 R-HEMBA1001327//ESTs//0.60:251:58//Hs.117162:AA701259
R-HEMBA1001330//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.1e-46:249:78//Hs.113283:AF018080
R-HEMBA1001351//ESTs//0.13:230:57//Hs.138510:R94816
R-HEMBA1001361//ESTs//3.5e-107:570:94//Hs.7727:AA142837
R-HEMBA1001375//ESTs//1.1e-96:454:99//Hs.59584:AA587334
50 R-HEMBA1001377//ESTs//8.5e-91:459:95//Hs.61859:AA628550
R-HEMBA1001383//ESTs//0.077:381:58//Hs.163093:AA745458
R-HEMBA1001387//ESTs//2.0e-85:405:99//Hs.152127:AI246482
R-HEMBA1001388//ESTs//1.5e-83:395:99//Hs.105191:AA133439
R-HEMBA1001391//ESTs//7.7e-90:455:96//Hs.120905:R22204
55 R-HEMBA1001398//Thromboxane A2 receptor//4.0e-46:279:89//Hs.89887:D38081
R-HEMBA1001405//ESTs//1.2e-98:485:97//Hs.73287:W16714
R-HEMBA1001407//ESTs//2.2e-76:365:99//Hs.110128:AA584364
R-HEMBA1001411//ESTs//1.2e-102:476:100//Hs.143162:AI380343

EP 1 074 617 A2

R-HEMBA1001413//ESTs//3.7e-66:321:98//Hs.152472:AA041199
R-HEMBA1001415
R-HEMBA1001432//Putative mismatch repair/binding protein hMSH3//7.9e-42:183:82//Hs.42674:U61981
R-HEMBA1001433//ESTs//1.4e-34:240:77//Hs.95611:U51704
5 R-HEMBA1001435//ESTs//5.6e-23:292:70//Hs.116315:AA629263
R-HEMBA1001442//ESTs//0.76:414:58//Hs.156189:AI419982
R-HEMBA1001446//ESTs//2.2e-95:447:99//Hs.154091:AA767546
R-HEMBA1001450//ESTs//1.0e-93:491:94//Hs.16130:AA195077
R-HEMBA1001454//Human Line-1 repeat mRNA with 2 open reading frames//1.7e-47:304:88//Hs.23094:M19503
10 R-HEMBA1001455//ESTs//7.1e-103:482:99//Hs.97407:AI417220
R-HEMBA1001463
R-HEMBA1001476//Human mRNA for KIAA0186 gene, complete cds//2.0e-25:409:66//Hs.36232:D80008
R-HEMBA1001478
R-HEMBA1001497
15 R-HEMBA1001510//ESTs//3.3e-44:381:78//Hs.139882:AA864426
R-HEMBA1001515//Human Line-1 repeat mRNA with 2 open reading frames//5.9e-79:528:84//Hs.23094:M19503
R-HEMBA1001517//ESTs//5.8e-32:272:81//Hs.119512:AA487269
R-HEMBA1001522//ESTs//1.7e-84:364:95//Hs.117858:AA-702493
R-HEMBA1001526//ESTs//1.8e-93:527:93//Hs.10624:N64723
20 R-HEMBA1001533//ESTs//1.9e-42:211:100//Hs.55830:AA580270
R-HEMBA1001557//ESTs//4.2e-83:413:97//Hs.47546:AA181348
R-HEMBA1001566//Small inducible cytokine A5 (RANTES)//3.4e-50:304:88//Hs.155464:AF088219
R-HEMBA1001569//POU domain, class 3, transcription factor 4//2.3e-06:259:62//Hs.2229:X82324
R-HEMBA1001570//Homo sapiens pendrin (PDS) mRNA, complete cds//3.5e-47:456:77//Hs.159275:AF030880
25 R-HEMBA1001579//ESTs//0.11:299:60//Hs.106090:AA457030
R-HEMBA1001581//ESTs//0.016:350:61//Hs.124664:AI015652
R-HEMBA1001585//Human mRNA for KIAA0331 gene, complete cds//0.30:251:63//Hs.146395:AB002329
R-HEMBA1001589
R-HEMBA1001595//ESTs, Weakly similar to SEPTIN 2 [D.melanogaster]//6.9e-71:431:88//Hs.26625:W25874
30 R-HEMBA1001608//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//1.3e-73:533:82//Hs.103948:
K00627
R-HEMBA1001620//ESTs, Highly similar to MYO-INOSITOL-1-PHOSPHATE SYNTHASE [Arabidopsis thaliana]
//4.5e-93:537:90//Hs.20218:AA628530
R-HEMBA1001636//ESTs//4.9e-53:267:97//Hs.47459:AA700158
35 R-HEMBA1001640//ESTs//2.9e-27:299:72//Hs.65236:AA927623
R-HEMBA1001655//ESTs, Weakly similar to Mi-2 protein [H.sapiens]//1.2e-86:442:95//Hs.63888:AA203398
R-HEMBA1001655//ESTs//1.5e-101:516:95//Hs.86541:AA214554
R-HEMBA1001658
40 R-HEMBA1001661//Homo sapiens protocadherin 68 (PCH68) mRNA, complete cds//1.3e-16:427:61//Hs.106511:
AF029343
R-HEMBA1001672//Homo sapiens methyl-CpG binding protein MBD3 (MBD3) mRNA, complete cds//1.4e-93:493:
92//Hs.107254:AC005943
R-HEMBA1001675
45 R-HEMBA1001678//Homo sapiens voltage dependent anion channel protein mRNA, complete cds//4.2e-103:534:
94//Hs.7381:AF038962
R-HEMBA1001681//ESTs//6.0e-49:292:92//Hs.65588:AA523424
R-HEMBA1001702//ESTs//9.0e-98:478:97//Hs.28661:AA805916
R-HEMBA1001709//Homo sapiens mRNA for KIAA0698 protein, complete cds//6.3e-98:483:96//Hs.31720:
50 AB014598
R-HEMBA1001711//ESTs//5.8e-83:398:98//Hs.34804:AA514960
R-HEMBA1001712//ESTs//0.028:202:63//Hs.105790:AA528095
R-HEMBA1001714//ESTs, Highly similar to ATPASE INHIBITOR, MITOCHONDRIAL PRECURSOR [Rattus nor-
vegicus]//1.8e-46:236:98//Hs.132948:AA194452
55 R-HEMBA1001718//Small inducible cytokine A5 (RANTES)//8.6e-43:166:88//Hs.155464:AF088219
R-HEMBA1001723//ESTs, Highly similar to HYPOTHETICAL TRP-ASP REPEATS CONTAINING PROTEIN IN
SIS1-MRPL2 INTERGENIC REGION [Saccharomyces cerevisiae]//7.1e-88:431:96//Hs.29203:AI344105
R-HEMBA1001731//EST//0.25:100:68//Hs.149171:AI245712

EP 1 074 617 A2

R-HEMBA1001734//Human mRNA for KIAA0355 gene, complete cds//2.6e-39:366:77//Hs.153014:AB002353
 R-HEMBA1001744
 R-HEMBA1001745//ESTs//6.6e-05:244:62//Hs.157663:AI358623
 R-HEMBA1001746//EST//4.9e-65:409:88//Hs.124673:AA858162
 5 R-HEMBA1001761//ESTs//1.9e-44:315:84//Hs.159510:AA297145
 R-HEMBA1001781//ESTs//3.0e-98:462:99//Hs.60059:AI057306
 R-HEMBA1001784//EST//1.0e-12:250:68//Hs.152366:AA486721
 R-HEMBA1001791//EST//1.4e-47:292:89//Hs.163333:AA879053
 R-HEMBA1001800//ESTs//8.4e-37:314:79//Hs.105151:AA970243
 10 R-HEMBA1001803//ESTs//4.5e-99:465:99//Hs.135159:AI095823
 R-nnnnnnnnnnnn/Zinc finger protein 148 (pHZ-52)//0.78:232:57//Hs.112180:AF039019
 R-HEMBA1001808//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0500//9.0e-114:548:98//Hs.
 118164:AB007969
 R-HEMBA1001809//EST//3.8e-63:292:89//Hs.158591:AI369334
 15 R-HEMBA1001815//Calcium modulating ligand//1.1e-47:299:87//Hs.13572:AF068179
 R-HEMBA1001819//ZINC FINGER PROTEIN HF.12//1.2e-16:259:69//Hs.155470:X07290
 R-HEMBA1001820//ESTs//2.6e-86:404:100//Hs.112881:AA620707
 R-nnnnnnnnnnnn//ESTs//2.2e-101:480:99//Hs.159940:AA971578
 R-HEMBA1001824//ESTs, Weakly similar to MATRIN 3 [H.sapiens]//6.2e-27:147:97//Hs.23476:AA401210
 20 R-HEMBA1001835//EST//0.79:216:64//Hs.47437:N52250
 R-HEMBA1001844//ESTs//4.7e-62:319:95//Hs.55200:N98513
 R-HEMBA1001847//ESTs//2.3e-102:522:95//Hs.20879:AA845446
 R-HEMBA1001861//Homo sapiens mRNA for KIAA0617 protein, complete cds//1.1e-109:553:96//Hs.78946:
 AB014517
 25 R-HEMBA1001864//ESTs//7.4e-94:449:99//Hs.132776:AI142853
 R-HEMBA1001866//Myelin oligodendrocyte glycoprotein {alternative products}//1.9e-37:357:76//Hs.53217:
 Z48051
 R-nnnnnnnnnnnn//ESTs, Weakly similar to trithorax homolog HTX, version 2 [H.sapiens]//2.3e-32:193:94//Hs.
 9489:R84329
 30 R-HEMBA1001888//H.sapiens mRNA for urea transporter//2.0e-47:425:78//Hs.66710:X96969
 R-HEMBA1001896//ESTs//3.5e-56:274:99//Hs.129018:H03128
 R-HEMBA1001910
 R-HEMBA1001912//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.5e-73:
 347:100//Hs.30991:AA994438
 35 R-HEMBA1001913//ESTs, Highly similar to GCN20 PROTEIN [Saccharomyces cerevisiae]//5.1e-57:320:91//Hs.
 91251:U66685
 R-HEMBA1001915//ESTs//4.9e-88:459:95//Hs.122810:AI273706
 R-HEMBA1001918//ESTs//1.2e-106:505:99//Hs.98518:AI027125
 R-HEMBA1001921//Homo sapiens germinal center kinase related protein kinase mRNA, complete cds//5.5e-107:
 534:96//Hs.154934:AF000145
 40 R-HEMBA1001939//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.9e-
 99:482:98//Hs.96849:AA879470
 R-HEMBA1001940//Human mRNA for KIAA0392 gene, partial cds//5.6e-45:336:82//Hs.40100:AB002390
 R-HEMBA1001942//EST//2.6e-84:397:99//Hs.145444:AI203668
 45 R-HEMBA1001945//ESTs//1.4e-92:437:99//Hs.144565:AI192452
 R-HEMBA1001950//ESTs//3.9e-43:280:88//Hs.84429:N28866
 R-HEMBA1001960//ESTs//0.040:243:62//Hs.29567:AA640421
 R-HEMBA1001962//ESTs//0.0071:113:69//Hs.49792:N70048
 R-HEMBA1001964//ESTs//3.0e-38:239:87//Hs.158126:W26825
 50 R-HEMBA1001967//Human DNA sequence from clone 341E18 on chromosome 6p11.2-12.3. Contains a Serine/
 Threonine Protein Kinase gene (presumptive isolog of a Rat gene) and a novel alternatively spliced gene. Contains
 a putative CpG island, ESTs and GSSs//1.8e-106:517:97//Hs.11050:AL031178
 R-HEMBA1001979//EST//0.039:167:63//Hs.129451:AA993932
 R-HEMBA1001987//ESTs//3.1e-44:320:83//Hs.136839:H93717
 55 R-HEMBA1001991//Human mRNA for KIAA0355 gene, complete cds//9.5e-47:303:88//Hs.153014:AB002353
 R-HEMBA1002003//Homo sapiens mRNA for protein phosphatase 2C (beta)//1.6e-91:448:97//Hs.5687:AJ005801
 R-HEMBA1002008//ESTs//9.2e-47:297:87//Hs.142314:AA347930
 R-HEMBA1002018//ESTs//9.4e-21:118:97//Hs.7871:AI041837

EP 1 074 617 A2

R-HEMBA1002022//Human mRNA for KIAA0075 gene, partial cds//0.25:196:63//Hs.1189:D38550
R-HEMBA1002035//ESTs//7.7e-101:475:99//Hs.8858:AI131538
R-HEMBA1002039//H.sapiens mRNA for phosphoinositide 3-kinase//0.68:256:64//Hs.101238:Y11312
R-HEMBA1002049//Homo sapiens mRNA for KIAA0563 protein, complete cds//2.4e-51:254:85//Hs.15731:
5 AB011135
R-HEMBA1002084//EST//0.31:219:60//Hs.162396:AA572764
R-HEMBA1002092//EST//6.4e-72:342:99//Hs.148533:AI200996
R-HEMBA1002100//EST//5.6e-38:258:85//Hs.103094:W52354
R-HEMBA1002102//Thiopurine S-methyltransferase//1.4e-46:403:79//Hs.51124:AF019369
10 R-HEMBA1002113//Prostaglandin 12 (prostacyclin) synthase //1.4e-76:280:90//Hs.61333:D83402
R-HEMBA1002119//Homo sapiens OR7E12P pseudogene, complete sequence//1.4e-87:362:94//Hs.103443:
AF065854
R-HEMBA1002125//ESTs, Weakly similar to Y53C12A.3 [C.elegans]//1.7e-16:94:100//Hs.107747:AI357868
R-HEMBA1002139//H.sapiens mRNA for nebulin//0.0019:68:88//Hs.83870:X83957
15 R-HEMBA1002144//ESTs//3.1e-30:259:72//Hs.141575:AA211734
R-HEMBA1002150//ESTs//7.1e-105:543:95//Hs.32275:AA595199
R-HEMBA1002151//ESTs//2.2e-35:178:100//Hs.77703:W19642
R-HEMBA1002153//EST//4.5e-49:458:77//Hs.141708:W44337
R-HEMBA1002160//Homo sapiens nephrocystin (NPHP1) mRNA, partial cds//1.4e-36:400:75//Hs.75474:
20 AF023674
R-HEMBA1002161//Homo sapiens EVI5 homolog mRNA, complete cds//1.9e-33:294:77//Hs.26929:AF008915
R-HEMBA1002162//ESTs//1.0e-47:317:85//Hs.48919:N64043
R-HEMBA1002166//Thromboxane A2 receptor//6.8e-46:296:81//Hs.89887:D38081
R-HEMBA1002177//EST//2.6e-42:215:99//Hs.116880:AA662457
25 R-HEMBA1002185//Homo sapiens class-I MHC-restricted T cell associated molecule (CRTAM) mRNA, complete
cds//6.0e-42:419:73//Hs.159523:AF001622
R-HEMBA1002189//Homo sapiens mRNA for KIAA0792 protein, complete cds//1.4e-29:244:72//Hs.119387:
AB007958
R-HEMBA1002191//ESTs//2.6e-31:275:66//Hs.133852:AI076357
30 R-HEMBA1002199//Human Line-1 repeat mRNA with 2 open reading frames//4.3e-84:557:84//Hs.23094:M19503
R-HEMBA1002204//EST//0.00057:113:71//Hs.144868:AI202342
R-HEMBA1002212//ESTs//1.5e-48:277:93//Hs.104741:AI393315
R-HEMBA1002215//ESTs//1.1e-23:158:90//Hs.152529:AA897151
R-HEMBA1002226//Homo sapiens mRNA for KIAA0706 protein, complete cds//5.1e-21:230:75//Hs.139648:
35 AB014606
R-HEMBA1002229//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds//1.5e-47:238:98//
Hs.25664:AF089814
R-HEMBA1002237//ESTs//6.9e-35:357:76//Hs.116518:AA653202
R-HEMBA1002253//EST//6.0e-19:125:81//Hs.140596:AA829426
40 R-HEMBA1002257
R-HEMBA1002267//ESTs, Weakly similar to HYPOTHETICAL 27.8 KD PROTEIN IN VMA7-RPS31A INTERGEN-
IC REGION [S.cerevisiae]//1.3e-31:201:91//Hs.114673:W72675
R-HEMBA1002270//ESTs//4.6e-100:483:97//Hs.34940:AI264314
R-HEMBA1002321//ESTs//2.3e-85:403:99//Hs.120388:AA723595
45 R-HEMBA1002328//ESTs//1.3e-90:423:100//Hs.117936:AI280818
R-HEMBA1002337//ESTs//8.7e-24:147:93//Hs.9893:AA007679
R-HEMBA1002341//Homo sapiens mRNA for KIAA0771 protein, partial cds//7.8e-130:642:96//Hs.6162:
AB018314
R-HEMBA1002348//ESTs//5.0e-71:387:93//Hs.30494:H04822
50 R-HEMBA1002349//ESTs//9.7e-88:420:98//Hs.132972:AA543094
R-nnnnnnnnnnnnn/Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds//3.9e-123:
661:93//Hs.119023:AF092563
R-HEMBA1002381//ESTs//1.3e-73:352:99//Hs.56121:AA781435
R-HEMBA1002389//EST//2.3e-05:132:69//Hs.37558:H58237
55 R-HEMBA1002417//Homo sapiens chromosome 19, cosmid R28784//3.9e-63:358:91//Hs.25527:AC005954
R-HEMBA1002419//ESTs, Weakly similar to APK1 antigen [H.sapiens]//5.6e-87:429:96//Hs.13209:AI417849
R-HEMBA1002430//ESTs//0.10:388:57//Hs.119238AA476267
R-HEMBA1002439//Human mRNA for KIAA0080 gene, partial cds//2.0e-22:181:80//Hs.74554:D38522

EP 1 074 617 A2

R-HEMBA1002458//ESTs//1.8e-88:448:95//Hs.97914:AA769069
 R-HEMBA1002460//Catalase//0.67:314:60//Hs.76359:X04085
 R-HEMBA1002462//EST//0.032:44:88//Hs.161536:N80395
 R-nnnnnnnnnnnnn//ESTs, Weakly similar to F08G12.1 [C.elegans]//5.4e-95:488:95//Hs.108115:AA582193
 5 R-HEMBA1002477//Homo sapiens KIAA0395 mRNA, partial cds//2.5e-37:281:80//Hs.43681:AL022394
 R-HEMBA1002486//Small inducible cytokine A5 (RANTES)//1.1e-49:311:88//Hs.155464:AF088219
 R-HEMBA1002495//ESTs//1.2e-94:457:98//Hs.42140:AI188995
 R-HEMBA1002498//ESTs//1.7e-35:240:78//Hs.119871:AA705133
 R-HEMBA1002503//ESTs//2.3e-14:64:85//Hs.140190:AA701449
 10 R-HEMBA1002508//ESTs//0.00057:160:62//Hs.149661:AA872990
 R-nnnnnnnnnnnnn//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//2.3e-113:456:92//Hs.6764:
 AJ011972
 R-HEMBA1002515//EST//1.0:153:63//Hs.118045:N51715
 R-HEMBA1002538//Homo sapiens mRNA for KIAA0454 protein, partial cds//5.1e-106:564:93//Hs.129928:
 15 AB007923
 R-HEMBA1002542//ESTs//1.0e-101:539:93//Hs.93872:AA524700
 R-HEMBA1002547//EST//8.7e-27:151:96//Hs.132145:AI041804
 R-HEMBA1002552//EST//5.9e-49:335:85//Hs.149580:AI281881
 R-HEMBA1002555//ESTs//1.1e-77:461:91//Hs.38750:N30012
 20 R-HEMBA1002558//Homo sapiens 4F5S mRNA, complete cds//1.3e-42:264:89//Hs.32567:AF073519
 R-HEMBA1002561//Small inducible cytokine A5 (RANTES)//6.4e-40:196:78//Hs.155464:AF088219
 R-nnnnnnnnnnnnn//Homo sapiens protein associated with Myc mRNA, complete cds//1.4e-120:587:97//Hs.151411:
 AF075587
 R-HEMBA1002583//ESTs//7.1e-79:410:95//Hs.21599:AA478904
 25 R-HEMBA1002590//EST//3.3e-54:278:97//Hs.138637:N20838
 R-HEMBA1002592//ESTs//2.6e-44:500:74//Hs.110934:N26055
 R-HEMBA1002621
 R-HEMBA1002624//Homo sapiens mRNA for KIAA0808 protein, complete cds//2.2e-77:380:97//Hs.91338:
 AB018351
 30 R-HEMBA1002628//ESTs//0.0020:167:66//Hs.140605:AA830881
 R-HEMBA1002629//ESTs//0.00014:50:100//Hs.119132:AA398715
 R-HEMBA1002645//EST//2.1e-37:285:82//Hs.141728:W73041
 R-HEMBA1002651//EST//2.2e-23:374:69//Hs.139357:AA420970
 R-HEMBA1002659//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, com-
 35 plete cds//1.5e-53:406:81//Hs.108966:U48696
 R-HEMBA1002661//Homo sapiens mRNA for KIAA0764 protein, complete cds//1.1e-41:296:84//Hs.6232:
 AB018307
 R-HEMBA1002666//EST//4.4e-09:79:88//Hs.72015:AA151945
 R-HEMBA1002678//EST, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//7.6e-
 40 104:560:92//Hs.161748:T64896
 R-nnnnnnnnnnnnn//EST//0.15:136:69//Hs.129570:AA995396
 R-HEMBA1002688//T-CELL SURFACE PROTEIN TACTILE PRECURSOR//0.16:247:62//Hs.142023:M88282
 R-HEMBA1002696//ESTs//3.5e-94:529:92//Hs.16725:AA196477
 R-HEMBA1002712//Homo sapiens mRNA for KIAA0772 protein, complete cds//6.0e-46:302:86//Hs.15519:
 45 AB018315
 R-HEMBA1002716//ESTs//1.3e-109:555:96//Hs.9812:AA147884
 R-HEMBA1002728//Homo sapiens mRNA for KIAA0621 protein, partial cds//3.8e-37:287:81//Hs.132942:
 AB014521
 R-HEMBA1002730//ESTs//1.2e-95:488:95//Hs.22030:AA521168
 50 R-HEMBA1002742//ESTs//1.0e-91:437:99//Hs.139987:AA652163
 R-HEMBA1002746//ESTs//4.4e-97:468:98//Hs.129903:AA576526
 R-HEMBA1002748//ESTs//5.0e-98:475:98//Hs.125461:AI375792
 R-HEMBA1002750//ESTs//1.6e-42:223:97//Hs.40460:N36090
 R-HEMBA1002768//Homo sapiens mRNA for KIAA0554 protein, partial cds//4.0e-106:545:95//Hs.74750:
 55 AB011126
 R-HEMBA1002770//EST//0.34:294:59//Hs.43091:N22127
 R-HEMBA1002777//ESTs//3.0e-85:316:98//Hs.17537:C06491
 R-HEMBA1002779//Human mRNA for KIAA0013 gene, complete cds//0.25:342:58//Hs.48824:D87717

EP 1 074 617 A2

R-HEMBA1002780//Homo sapiens DEC-205 mRNA, complete cds//4.2e-46:449:75//Hs.153563:AF011333
R-HEMBA1002794//ESTs//1.2e-115:559:97//Hs.79741:AI279709
R-HEMBA1002801//EST//0.00049:287:60//Hs.126466:AA913320
5 R-HEMBA1002810//Homo sapiens formin binding protein 21 mRNA, complete cds//1.4e-116:559:97//Hs.28307:AF071185
R-HEMBA1002816//Human plectin (PLEC1) mRNA, complete cds//0.28:281:62//Hs.79706:U53204
R-HEMBA1002826//EST//6.7e-25:134:99//Hs.134683:AI092013
R-HEMBA1002833//ESTs, Highly similar to ribosome-binding protein p34 [R.norvegicus]//4.3e-25:137:98//Hs.5337:AA243757
10 R-HEMBA1002850//ESTs//0.010:323:57//Hs.18282:W67514
R-HEMBA1002863//ESTs//1.1e-67:359:94//Hs.124699:W27830
R-HEMBA1002876//ESTs//0.72:202:62//Hs.144816:AI220827
R-HEMBA1002886//EST//3.2e-85:401:99//Hs.96580:AA405670
R-HEMBA1002896//Homo sapiens SH3-containing adaptor molecule-1 mRNA, complete cds//1.2e-107:541:95//
15 Hs.33787:AF037261
R-HEMBA1002921//Human mRNA for KIAA0189 gene, complete cds//0.84:103:71//Hs.95140:D80011
R-HEMBA1002924//ESTs//3.5e-86:423:98//Hs.27513:N34820
R-HEMBA1002934//Human mRNA for KIAA0118 gene, partial cds//2.1e-50:308:88//Hs.154326:D42087
R-HEMBA1002935//ESTs//1.0e-73:384:95//Hs.118193:N74481
20 R-HEMBA1002937//ESTs//0.052:167:65//Hs.145504:AI254165
R-HEMBA1002939//ESTs//1.6e-94:467:97//Hs.9893:AA007679
R-HEMBA1002944//ESTs//2.7e-17:176:80//Hs.143768:AA229732
R-HEMBA1002951//ESTs//3.7e-119:565:98//Hs.16218:AI190892
R-HEMBA1002954//EST//0.076:285:58//Hs.98706:AA431085
25 R-HEMBA1002968//Thiopurine S-methyltransferase//1.9e-46:314:85//Hs.51124:AF019369
R-HEMBA1002970//EST//0.00050:164:64//Hs.129630:AI000405
R-HEMBA1002971//Homo sapiens mRNA for KIAA0679 protein, partial cds//2.3e-30:162:99//Hs.5734:AB014579
R-HEMBA1002973//Small inducible cytokine A5 (RANTES)//5.7e-42:318:81//Hs.155464:AF088219
R-nnnnnnnnnnnnn//ESTs//3.2e-18:102:100//Hs.146255:AA197064
30 R-HEMBA1002999//ESTs, Moderately similar to lamina associated polypeptide 1C [R.norvegicus]//7.9e-113:560:96//Hs.125749:AI377682
R-HEMBA1003021//Homo sapiens PYRIN (MEFV) mRNA, complete cds//3.3e-42:290:85//Hs.113283:AF018080
R-HEMBA1003033//ESTs//2.8e-77:417:94//Hs.138860:W47480
R-HEMBA1003034//ESTs//3.7e-42:429:74//Hs.132818:AI038577
35 R-HEMBA1003035//ESTs//0.025:156:64//Hs.8473:T40827
R-HEMBA1003037//ESTs//0.69:381:57//Hs.47312:AI240366
R-HEMBA1003041//ESTs, Highly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE C41C4.4 IN CHROMOSOME II PRECURSOR [Caenorhabditis elegans]//5.6e-34:280:79//Hs.114905:AA088442
R-HEMBA1003046//Homo sapiens mitochondrial processing peptidase beta-subunit mRNA, complete cds//1.3e-119:578:97//Hs.44097:AF054182
40 R-HEMBA1003064//ESTs//7.8e-85:419:96//Hs.87020:AA706627
R-HEMBA1003067//Von Hippel-Lindau syndrome//2.0e-30:299:75//Hs.78160:AF010238
R-HEMBA1003071//ESTs//2.3e-74:360:98//Hs.17270:AA701903
R-HEMBA1003077//ESTs, Weakly similar to KIAA0405 [H.sapiens]//1.1e-90:434:99//Hs.14146:W92235
45 R-HEMBA1003078//ESTs//5.9e-16:156:77//Hs.142684:AA902402
R-HEMBA1003079//ESTs//0.16:341:58//Hs.95923:AI075249
R-HEMBA1003083//Small inducible cytokine A5 (RANTES)//1.9e-39:284:83//Hs.155464:AF088219
R-HEMBA1003086//EST//1.0e-48:372:82//Hs.161917:AA483223
R-HEMBA1003096//ESTs, Weakly similar to Mouse 19.5 mRNA, complete cds [M.musculus]//4.2e-100:531:94//
50 Hs.104800:AA709155
R-HEMBA1003098//ESTs//4.2e-107:537:96//Hs.107213:AA121624
R-HEMBA1003117//ESTs//2.4e-67:331:97//Hs.157158:AI150058
R-HEMBA1003129//Human nucleolar fibrillar center protein (ASE-1) mRNA, complete cds//2.1e-13:109:88//Hs.118717:U86751
55 R-HEMBA1003133//ESTs//1.1e-34:180:98//Hs.159387:AI370845
R-HEMBA1003136//ESTs, Weakly similar to MANNNOSE-1-PHOSPHATE GUANYLTRANSFERASE [Saccharomyces cerevisiae]//9.2e-114:577:95//Hs.27059:AI088615
R-HEMBA1003142//Small inducible cytokine A5 (RANTES)//1.1e-45:285:88//Hs.155464:AF088219

EP 1 074 617 A2

R-HEMBA1003148//Homo sapiens mRNA for dachshund protein//3.6e-118:586:96//Hs.63931:AJ005670
R-HEMBA1003166//ESTs//1.6e-96:479:96//Hs.119940:AA705933
R-HEMBA1003175//ESTs//2.7e-74:407:92//Hs.139167:AA715389
R-HEMBA1003197//ESTs//1.6e-68:384:94//Hs.120969:W92000
5 R-HEMBA1003199//Sjogren syndrome antigen B (autoantigen La)//0.19:328:57//Hs.83715:X69804
R-HEMBA1003202//Homo sapiens mRNA for KIAA0640 protein, partial cds//1.3e-40:290:83//Hs.153026:
AB014540
R-HEMBA1003204//ESTs//1.1e-34:215:91//Hs.108090:AA424943
R-HEMBA1003212//ESTs//1.9e-81:441:93//Hs.28471:W20265
10 R-HEMBA1003220//ESTs, Weakly similar to MITOCHONDRIAL 40S RIBOSOMAL PROTEIN S28 PRECURSOR
[S.cerevisiae]//1.6e-40:232:93//Hs.107707:N32817
R-HEMBA1003227//ESTs, Weakly similar to weak similarity to HSP90 [C.elegans]//1.1e-42:310:85//Hs.23294:
W27666
R-HEMBA1003229//ESTs//4.8e-18:133:90//Hs.61763:AA035305
15 R-HEMBA1003235//ESTs//7.7e-35:201:78//Hs.163979:AA828834
R-HEMBA1003250//Homo sapiens p21-activated kinase 3 (PAK3) mRNA, complete cds//7.4e-05:534:58//Hs.
152663:AF068864
R-HEMBA1003257//EST//1.4e-95:473:97//Hs.32443:H28929
R-HEMBA1003273//Small inducible cytokine A5 (RANTES)//2.6e-38:253:86//Hs.155464:AF088219
20 R-HEMBA1003276//ESTs//7.6e-55:269:99//Hs.23817:AA526392
R-HEMBA1003278//ESTs//2.6e-45:301:71//Hs.51652:AI084785
R-HEMBA1003281
R-HEMBA1003291//Homo sapiens mRNA for KIAA0537 protein, complete cds//9.7e-117:551:99//Hs.12836:
AB011109
25 R-HEMBA1003296//ESTs//4.8e-17:210:72//Hs.44451:AA203266
R-HEMBA1003304//ESTs//2.8e-98:468:98//Hs.120849:AI148353
R-HEMBA1003309//ESTs//1.8e-97:455:99//Hs.11571:AA713504
R-HEMBA1003314//Homo sapiens mRNA for leucine zipper bearing kinase, complete cds//8.9e-113:545:97//Hs.
124224:AB001872
30 R-HEMBA1003322//ESTs//4.9e-79:419:95//Hs.138760:N66869
R-HEMBA1003327//Homo sapiens clone 23622 mRNA sequence//1.4e-16:177:78//Hs.151608:AF052119
R-HEMBA1003328//H.sapiens mRNA for MACH-alpha-2 protein//2.1e-43:269:88//Hs.19949:X98173
R-HEMBA1003330//Homo sapiens poly(A) binding protein II (PABP2) gene, complete cds//0.66:64:76//Hs.117176:
AF026029
35 R-HEMBA1003348//ESTs//1.4e-35:185:78//Hs.117879:H77357
R-HEMBA1003369//ESTs, Weakly similar to F59C6.9 [C.elegans]//3.2e-113:553:97//Hs.65539:AI148540
R-HEMBA1003370//ESTs//2.0e-46:319:86//Hs.37573:H59651
R-HEMBA1003373//ESTs//1.6e-31:136:81//Hs.114849:AI139588
R-HEMBA1003376//ESTs//3.0e-47:383:80//Hs.138852:AA284247
40 R-HEMBA1003380//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.8e-
11:261:65//Hs.87578:AI125363
R-HEMBA1003384//EST//0.00013:82:75//Hs.141237:H57847
R-HEMBA1003395//ESTs//5.2e-78:379:98//Hs.162208:AA536127
R-HEMBA1003402//ESTs//8.6e-14:108:89//Hs.55424:AA774204
45 R-nnnnnnnnnnnn//ESTs//1.7e-24:188:85//Hs.70266:Z78309
R-HEMBA1003417//ESTs//4.2e-74:396:94//Hs.55220:D11563
R-HEMBA1003418//ESTs//3.1e-107:545:95//Hs.3494:AI421013
R-HEMBA1003433//Homo sapiens nibrin (NBS) mRNA, complete cds//3.2e-115:544:98//Hs.25812:AF058696
R-HEMBA1003461//ESTs//2.8e-62:304:99//Hs.148747:AI225121
50 R-HEMBA1003463//ESTs//2.3e-112:549:97//Hs.104627:AA885516
R-HEMBA1003480//Homo sapiens PYRIN (MEFV) mRNA, complete cds//7.7e-76:529:84//Hs.113283:AF018080
R-HEMBA1003528//ESTs//2.1e-59:312:96//Hs.22505:R41688
R-HEMBA1003531//ESTs//2.2e-17:116:93//Hs.140217:AA702760
R-HEMBA1003538//Complement component C1r//4.7e-25:333:68//Hs.1279:M14058
55 R-HEMBA1003545//ESTs//8.7e-89:432:98//Hs.99497:AA776817
R-HEMBA1003548//EST//0.0091:274:60//Hs.148336:AA911673
R-HEMBA1003555//ESTs, Weakly similar to NUCLEOTIDE-BINDING PROTEIN [H.sapiens]//2.8e-93:495:93//Hs.
91619:AA552351

EP 1 074 617 A2

R-HEMBA1003556//ESTs//7.1e-44:406:77//Hs.141575:AA211734
R-HEMBA1003560//ESTs//4.0e-34:182:97//Hs.14811:AA434522
R-HEMBA1003568//ESTs//2.0e-101:486:98//Hs.118570:AI342058
R-HEMBA1003569//ESTs, Moderately similar to metastasis-associated gene [H.sapiens]//4.0e-63:343:93//Hs.
5 58598:AA625440
R-HEMBA1003571//Homo sapiens clone 23632 mRNA sequence//3.7e-47:338:84//Hs.46918:AF052099
R-HEMBA1003579//EST//0.00057:239:60//Hs.162828:AA643892
R-HEMBA1003581//ESTs//2.6e-10:118:79//Hs.44856:N37065
R-HEMBA1003591//ESTs//2.4e-96:460:98//Hs.128741:AI244212
10 R-HEMBA1003595//Human mRNA for KIAA0118 gene, partial cds//1.7e-48:421:78//Hs.154326:D42087
R-HEMBA1003597//EST//1.6e-38:313:80//Hs.160911:AI371042
R-HEMBA1003598//ESTs//0.0085:273:61//Hs.145333:AI251374
R-HEMBA1003615
R-HEMBA1003617//ESTs//1.0e-111:574:95//Hs.4552:W68167
15 R-HEMBA1003621//EST//1.7e-31:288:78//Hs.140909:R49387
R-HEMBA1003622//EST//1.1e-46:468:75//Hs.139093:AA166888
R-HEMBA1003630//ESTs//1.4e-21:411:69//Hs.128729:AA973021
R-HEMBA1003637//ESTs, Weakly similar to !!!! ALU SUBFAMILY SB WARNING ENTRY !!!! [H.sapiens]//9.3e-24:
189:84//Hs.142208:AA209438
20 R-HEMBA1003640//ISLET AMYLOID POLYPEPTIDE PRECURSOR//2.5e-42:332:81//Hs.51048:X68830
R-HEMBA1003645//ESTs//2.4e-77:423:94//Hs.99539:R59010
R-HEMBA1003646//ESTs//2.6e-98:549:91//Hs.96427:AA151783
R-HEMBA1003656//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//5.6e-44:245:77//Hs.
67619:AB007957
25 R-HEMBA1003662//Human TBX2 (TXB2) mRNA, complete cds//2.6e-17:144:84//Hs.32931:U28049
R-HEMBA1003667//Farnesyltransferase, CAAX box, beta//1.3e-22:170:88//Hs.117596:L00635
R-HEMBA1003679//ESTs, Weakly similar to trithorax homolog HTX, version 2 [H.sapiens]//4.1e-87:434:97//Hs.
9489:R84329
R-HEMBA1003680//Human DNA-binding protein (HRC1) mRNA, complete cds//0.86:315:61//Hs.72925:M91083
30 R-HEMBA1003684//ESTs, Highly similar to ZINC FINGER PROTEIN 7 [Homo sapiens]//1.1e-101:528:95//Hs.
22934:AA581379
R-HEMBA1003690//ESTs//0.0021:119:69//Hs.98641:AA429916
R-HEMBA1003692//Human cytochrome P450-IIB (hIIB3) mRNA, complete cds//2.0e-43:360:80//Hs.110194:
M29873
35 R-HEMBA1003711//ESTs//1.0e-70:375:94//Hs.150407:AI279064
R-HEMBA1003714//VASOACTIVE INTESTINAL POLYPEPTIDE RECEPTOR 1 PRECURSOR//0.94:367:62//Hs.
1139:X77777
R-HEMBA1003715//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.1e-77:299:85//Hs.113283:AF018080
R-HEMBA1003720//Homo sapiens TWIK-related acid-sensitive K+ channel (TASK) mRNA, complete cds//1.2e-
40 33:377:74//Hs.24040:AF006823
R-HEMBA1003725//ESTs//3.8e-103:481:99//Hs.122518:AA778847
R-HEMBA1003729//ESTs//2.5e-51:277:95//Hs.26270:AA258839
R-HEMBA1003733//ESTs//1.9e-69:350:96//Hs.139278:AA702592
R-HEMBA1003742//ESTs, Moderately similar to T13H5.2 [C.elegans]//4.6e-70:348:96//Hs.11282:AI147040
45 R-HEMBA1003758//ESTs//1.7e-52:306:85//Hs.138852:AA284247
R-HEMBA1003760//ESTs//7.4e-76:420:93//Hs.26501:H05089
R-HEMBA1003773//ESTs, Highly similar to SIGNAL RECOGNITION PARTICLE RECEPTOR BETA SUBUNIT
[Mus musculus]//1.9e-77:364:100//Hs.12152:AA156214
R-HEMBA1003783//ESTs, Weakly similar to C01H6.7 [C.elegans]//2.1e-101:558:93//Hs.18171:AA524327
50 R-HEMBA1003784//EST//0.83:127:62//Hs.144002:F01600
R-HEMBA1003799//EST//9.7e-30:362:71//Hs.156577:AA860236
R-HEMBA1003803//ESTs, Weakly similar to Y53C12A.3 [C.elegans]//2.8e-16:93:100//Hs.107747:AI357868
R-HEMBA1003804//Interleukin 15//0.13:227:62//Hs.111867:AB007295
R-HEMBA1003805//ESTs//0.029:199:65//Hs.91582:T25344
55 R-HEMBA1003807//EST//2.4e-13:137:81//Hs.145645:AI264163
R-HEMBA1003836//Small inducible cytokine A5 (RANTES)//3.2e-39:284:83//Hs.155464:AF088219
R-HEMBA1003838//ESTs, Weakly similar to NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 2 [Paramecium
tetraurelia]//6.5e-71:357:96//Hs.107573:AA524333

EP 1 074 617 A2

R-HEMBA1003856//ESTs//8.2e-20:266:71//Hs.48312:N68161
 R-HEMBA1003864//ESTs//1.6e-99:528:93//Hs.26890:AA449033
 R-HEMBA1003866//POLYPOSIS LOCUS PROTEIN 1//0.30:146:64//Hs.74648:M73547
 R-HEMBA1003879//EST, Weakly similar to DNA-REPAIR PROTEIN COMPLEMENTING XP-A CELLS [Homo sa-
 5 piens]//2.1e-59:295:98//Hs.161661:AA166911
 R-HEMBA1003880//Homo sapiens clone 24760 mRNA sequence//3.8e-34:286:79//Hs.61408:AF070621
 R-HEMBA1003885//ESTs//4.6e-50:293:90//Hs.142314:AA347930
 R-HEMBA1003893//Calcium modulating ligand//2.1e-43:294:86//Hs.13572:AF068179
 R-HEMBA1003902//ESTs//1.8e-43:300:85//Hs.146811:AA410788
 10 R-HEMBA1003908//ESTs//3.5e-91:477:94//Hs.6638:AA536187
 R-HEMBA1003926//ESTs//7.9e-44:294:87//Hs.164036:AA845659
 R-HEMBA1003937//Homo sapiens mRNA for KIAA0585 protein, partial cds//3.5e-48:276:81//Hs.72660:AB011157
 R-HEMBA1003939
 R-HEMBA1003942//ESTs//1.6e-81:428:94//Hs.50418:AA524669
 15 R-HEMBA1003950//ESTs//8.1e-54:283:95//Hs.145528:AI261545
 R-HEMBA1003953//ESTs//3.8e-30:194:89//Hs.99681:AA504591
 R-HEMBA1003958//ESTs//4.0e-45:394:77//Hs.141602:N63562
 R-HEMBA1003959//ESTs//5.2e-28:197:86//Hs.9951:W56253
 R-HEMBA1003976//ESTs//2.0e-29:232:84//Hs.133947:AI074525
 20 R-HEMBA1003978//ESTs//3.2e-115:549:98//Hs.76798:AI050882
 R-HEMBA1003985//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.2e-91:
 448:97//Hs.117834:AA766771
 R-HEMBA1003987//ESTs//8.1e-36:193:88//Hs.151844:N92756
 R-HEMBA1003989//Human mRNA for KIAA0241 gene, partial cds//3.6e-43:360:81//Hs.150275:D87682
 25 R-HEMBA1004000//EST//5.5e-62:308:97//Hs.50438:N74105
 R-HEMBA1004011//ESTs//8.6e-85:431:96//Hs.36185:R99899
 R-HEMBA1004012//ESTs//1.3e-40:309:83//Hs.140329:AA714011
 R-HEMBA1004015//ESTs//5.1e-97:453:99//Hs.111446:AI333774
 R-HEMBA1004024//ESTs//5.2e-19:159:79//Hs.138856:H47461
 30 R-HEMBA1004038//ESTs//1.3e-41:346:79//Hs.146173:AA906191
 R-HEMBA1004042//ESTs//0.0012:201:69//Hs.24248:AA528253
 R-HEMBA1004045//ESTs, Weakly similar to putative p150 [H.sapiens]//1.5e-22:365:70//Hs.99692:AA811804
 R-HEMBA1004048//ESTs//9.5e-104:497:98//Hs.77735:AI125469
 R-HEMBA1004049//HEAT SHOCK 70 KD PROTEIN 1//6.3e-31:176:96//Hs.8997:M11717
 35 R-HEMBA1004055//ESTs//1.7e-115:577:96//Hs.59503:W63754
 R-HEMBA1004056//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.2e-78:577:82//Hs.113283:AF018080
 R-HEMBA1004074//EST//1.0:152:61//Hs.149093:AI243988
 R-HEMBA1004086//ESTs//4.0e-53:266:98//Hs.34658:N98652
 R-HEMBA1004097//ESTs//4.4e-46:279:91//Hs.110533:H16251
 40 R-HEMBA1004131//Human mRNA for KIAA0128 gene, partial cds//3.0e-43:534:69//Hs.90998:D50918
 R-HEMBA1004132//ESTs//4.6e-47:316:86//Hs.141602:N63562
 R-HEMBA1004133
 R-HEMBA1004138//EST//1.7e-08:211:64//Hs.129189:AA988736
 R-HEMBA1004143//ESTs//4.0e-25:137:97//Hs.21307:AA203320
 45 R-HEMBA1004146//Small inducible cytokine A5 (RANTES)//4.1e-27:191:86//Hs.155464:AF088219
 R-HEMBA1004150//GRANULOCYTE IN//0.99:357:59//Hs.79381:M81637
 R-HEMBA1004164//Human mRNA for KIAA0118 gene, partial cds//9.5e-47:313:84//Hs.154326:D42087
 R-HEMBA1004168//Homo sapiens geminin mRNA, complete cds//7.7e-112:563:96//Hs.59988:AF067855
 R-HEMBA1004199
 50 R-HEMBA1004200//EST//3.1e-89:441:97//Hs.141173:R97701
 R-HEMBA1004202//ESTs, Weakly similar to GTP-BINDING PROTEIN YPTM1 [Zea mays]//1.7e-107:552:94//Hs.
 10092:AI189282
 R-HEMBA1004203//Homo sapiens mRNA for KIAA0618 protein, complete cds//1.5e-96:275:98//Hs.15832:
 AB014518
 55 R-HEMBA1004207//Leptin receptor//1.1e-117:573:97//Hs.54515:U50748
 R-HEMBA1004225//EST//9.7e-34:186:95//Hs.137567:R20617
 R-HEMBA1004227//ESTs, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//4.0e-
 16:117:91//Hs.92033:AA255832

R-HEMBA1004238//Human mRNA for KIAA0355 gene, complete cds//3.0e-46:338:83//Hs.153014:AB002353
 R-HEMBA1004241//ESTs//1.3e-10:93:87//Hs.137511:AA456389
 R-HEMBA1004246//Homo sapiens LIM protein mRNA, complete cds//2.7e-43:511:72//Hs.154103:AF061258
 R-HEMBA1004248//ESTs, Highly similar to INSULIN-INDUCED GROWTH RESPONSE PROTEIN CL-6 [Rattus
 5 norvegicus]//2.1e-61:221:86//Hs.7089:W37284
 R-HEMBA1004264//ESTs//1.5e-80:425:95//Hs.107206:AA234962
 R-HEMBA1004267//ESTs, Moderately similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]//1.4e-
 89:465:95//Hs.113660:D20018
 R-HEMBA1004272//ESTs//4.5e-111:577:94//Hs.115696:N57931
 10 R-HEMBA1004276//ESTs, Highly similar to BETA-ADAPTIN [Homo sapiens; Rattus norvegicus; Bos taurus]//4.4e-
 92:559:89//Hs.28298:AA203228
 R-HEMBA1004286//Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds//6.2e-108:538:
 15 97//Hs.101766:AF022795
 R-HEMBA1004289//Sulfotransferase, dehydroepiandrosterone (DHEA) -preferring//1.7e-34:223:75//Hs.81884:
 U13061
 R-HEMBA1004295//ESTs, Weakly similar to weakly similar to ANK repeat region of Fowlpox virus BamHI-orf7
 protein [C.elegans]//3.6e-93:496:94//Hs.14337:AA534961
 20 R-HEMBA1004306//ESTs//3.4e-26:363:68//Hs.70279:AA757426
 R-HEMBA1004312//ESTs//4.8e-64:351:94//Hs.138611:H82679
 R-HEMBA1004321//Zinc finger protein 44 (KOX 7)//2.6e-37:415:64//Hs.51199:X16281
 R-HEMBA1004323//ESTs//2.1e-40:280:70//Hs.153300:AA928904
 R-HEMBA1004327//ESTs//3.8e-72:343:99//Hs.151708:AA554714
 25 R-HEMBA1004330//ESTs//4.0e-52:270:97//Hs.24654:AA456561
 R-HEMBA1004334//ESTs//1.6e-46:234:98//Hs.47159:AI310231
 R-HEMBA1004335//ESTs//1.9e-25:250:76//Hs.155880:AA703336
 R-HEMBA1004341//ESTs//3.7e-101:480:98//Hs.69321:AA633240
 R-HEMBA1004353//Homo sapiens mRNA for c-myc binding protein, complete cds//1.3e-75:444:90//Hs.80686:
 30 D89667
 R-HEMBA1004354//Human mRNA for KIAA0355 gene, complete cds//5.9e-39:286:83//Hs.153014:AB002353
 R-HEMBA1004356//SINGLE-STRANDED DNA-BINDING PROTEIN MSSP-1//1.3e-107:576:93//Hs.55458:
 X77494
 R-HEMBA1004366//ESTs//2.3e-94:524:91//Hs.111496:AA652869
 35 R-HEMBA1004372//EST//0.27:198:60//Hs.162665:AA605057
 R-HEMBA1004389//ESTs//4.1e-102:490:98//Hs.153708:AA687264
 R-HEMBA1004394//ESTs//1.5e-94:471:96//Hs.151647:AA002084
 R-HEMBA1004396//Small inducible cytokine A5 (RANTES)//6.2e-41:285:83//Hs.155464:AF088219
 R-HEMBA1004405//ESTs//2.0e-44:329:83//Hs.136839:H93717
 40 R-HEMBA1004408//ESTs, Weakly similar to homologous to mouse Rsu-1 [H.sapiens]//6.1e-89:420:99//Hs.88365:
 AA648933
 R-HEMBA1004429//ESTs, Weakly similar to homeotic protein protein zhx-1 [M.musculus]//3.0e-112:552:96//Hs.
 12940:AI123518
 R-HEMBA1004433//Human Line-1 repeat mRNA with 2 open reading frames//2.9e-32:463:68//Hs.23094:M19503
 45 R-HEMBA1004460//ESTs//2.0e-104:574:93//Hs.46848:AA195829
 R-HEMBA1004461//ESTs//2.9e-102:503:98//Hs.16370:AA017033
 R-HEMBA1004479//ELK1, member of ETS oncogene family//1.1e-45:310:75//Hs.116549:AL009172
 R-HEMBA1004482//ESTs//9.1e-05:322:62//Hs.34489:AA759306
 R-HEMBA1004502//ESTs//6.9e-112:566:96//Hs.93985:N50034
 50 R-HEMBA1004506//EST//5.3e-59:456:80//Hs.72412:AA160941
 R-HEMBA1004507
 R-HEMBA1004509//ESTs, Moderately similar to HYPOTHETICAL 52.2 KD PROTEIN IN MPR1-GCN20 INTER-
 GENIC REGION [Saccharomyces cerevisiae]//2.9e-82:262:99//Hs.12820:AA004271
 R-HEMBA1004534//ESTs, Highly similar to ENDOTHELIAL ACTIN-BINDING PROTEIN [Homo sapiens]//1.1e-43:
 55 281:89//Hs.58414:AA196947
 R-HEMBA1004538//EST//3.3e-15:270:71//Hs.136667:AA707972
 R-HEMBA1004554
 R-HEMBA1004560//ESTs//8.2e-25:179:88//Hs.96560:W22924

EP 1 074 617 A2

R-HEMBA1004573//ESTs, Moderately similar to ALR [H.sapiens]//1.0:305:60//Hs.30272:AA134913
 R-HEMBA1004577//ESTs//7.9e-50:319:89//Hs.22660:AA582243
 R-HEMBA1004586//ESTs//2.6e-73:384:96//Hs.9582:R39769
 R-nnnnnnnnnnnnn//ESTs//6.0e-22:190:82//Hs.42530:N41661
 5 R-HEMBA1004610//ESTs//1.2e-91:438:98//Hs.47823:AA780767
 R-HEMBA1004617//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//4.6e-52:327:85//Hs.159897:AB007970
 R-HEMBA1004629//ESTs//2.3e-19:215:76//Hs.111995:AI375915
 R-HEMBA1004631//ESTs//3.6e-99:470:98//Hs.49303:AA810785
 10 R-HEMBA1004632//ESTs//1.0:128:66//Hs.159182:AA831152
 R-HEMBA1004637//ESTs, Highly similar to HYPOTHETICAL 83.6 KD PROTEIN R05D3.2 IN CHROMOSOME III [Caenorhabditis elegans]//4.8e-111:532:98//Hs.12263:AA282393
 R-HEMBA1004638//ESTs//1.2e-66:341:95//Hs.122687:AI278454
 R-HEMBA1004666//ESTs//2.1e-65:333:96//Hs.98873:AA625442
 15 R-HEMBA1004669//ESTs//0.00039:116:74//Hs.138725:N76348
 R-HEMBA1004670//ESTs//1.7e-16:116:89//Hs.56825:AI057560
 R-HEMBA1004672//EST//6.7e-76:315:97//Hs.20821:R19368
 R-HEMBA1004693//ESTs//6.4e-68:327:99//Hs.159066:AI093252
 R-HEMBA1004697//ESTs//9.3e-98:467:98//Hs.62637:AA043562
 20 R-HEMBA1004705//EST//0.0034:271:58//Hs.112503:AA599042
 R-HEMBA1004709//EST//1.3e-55:392:85//Hs.149580:AI281881
 R-HEMBA1004711//Small inducible cytokine A5 (RANTES)//1.9e-47:449:76//Hs.155464:AF088219
 R-HEMBA1004725//EST//1.8e-71:424:88//Hs.155712:AI309235
 R-HEMBA1004730//Homo sapiens clone 23892 mRNA sequencer//2.1e-44:467:73//Hs.91916:AF035317
 25 R-HEMBA1004733//EST//0.99:84:65//Hs.161372:AI423151
 R-HEMBA1004734//ESTs//1.8e-82:421:96//Hs.21275:N73275
 R-HEMBA1004736//Ataxia telangiectasia mutated (includes complementation groups A, C and D)//9.5e-39:296:82//Hs.51187:U82828
 R-HEMBA1004748//ESTs//1.7e-43:166:86//Hs.37573:H59651
 30 R-HEMBA1004751//ESTs//8.0e-23:155:88//Hs.149464:AI279428
 R-HEMBA1004752//Thromboxane A2 receptor//2.7e-45:281:89//Hs.89887:D38081
 R-HEMBA1004753//40S RIBOSOMAL PROTEIN S20//8.3e-67:475:84//Hs.8102:L06498
 R-HEMBA1004756//ESTs//2.0e-81:384:99//Hs.129545:N68679
 R-HEMBA1004758//EST//2.0e-43:367:80//Hs.133006:AI049504
 35 R-HEMBA1004763//ESTs//2.0e-108:567:94//Hs.3757:W87380
 R-HEMBA1004768//ESTs, Weakly similar to RETROVIRUS-RELATED POL POLYPROTEIN [Mus musculus]//1.4e-47:379:81//Hs.141273:H66705
 R-HEMBA1004770//ESTs//0.0014:246:61//Hs.124857:AA687092
 R-HEMBA1004771//ESTs//1.1e-12:323:63//Hs.124146:AA699633
 40 R-HEMBA1004776//ESTs//2.5e-112:567:95//Hs.12680:W74476
 R-HEMBA1004778//ESTs//1.4e-33:272:75//Hs.141123:AA848167
 R-nnnnnnnnnnnnn
 R-HEMBA1004803//ESTs//1.0e-48:319:86//Hs.139231:W87732
 R-HEMBA1004806
 45 R-HEMBA1004807//ESTs//6.2e-77:362:100//Hs.140945:N47676
 R-HEMBA1004816//EST//4.3e-18:246:72//Hs.150552:AI053784
 R-HEMBA1004820//Human arginine-rich nuclear protein mRNA, complete cds//5.0e-14:141:85//Hs.80510:M74002
 R-HEMBA1004847
 50 R-HEMBA1004850//ESTs//1.2e-83:395:99//Hs.30925:AA577120
 R-HEMBA1004863//ESTs//7.5e-21:204:79//Hs.35036:H95267
 R-HEMBA1004864
 R-HEMBA1004865//EST//6.7e-18:191:75//Hs.129944:AA429362
 R-HEMBA1004880//EST//4.4e-70:346:98//Hs.145094:AA452409
 55 R-HEMBA1004889//ESTs//4.8e-117:496:97//Hs.15641:W63676
 R-HEMBA1004900//ESTs//1.2e-15:283:68//Hs.157606:AI357470
 R-HEMBA1004909//ESTs//7.3e-44:366:79//Hs.140329:AA714011
 R-HEMBA1004918//Human mRNA for KIAA0392 gene, partial cds//4.6e-50:313:89//Hs.40100:AB002390

EP 1 074 617 A2

R-HEMBA1004923//ESTs//0.013:162:64//Hs.143655:AI128388
R-HEMBA1004929//EST//2.3e-48:250:97//Hs.131589:AI025053
R-HEMBA1004930//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//1.2e-70:547:80//Hs.1361:M55053
5 R-HEMBA1004933//ESTs, Weakly similar to R06C7.6 [C.elegans]//5.3e-110:530:98//Hs.18029:AI422883
R-HEMBA1004934//ESTs//1.3e-103:522:96//Hs.40415:AA037215
R-HEMBA1004944//ESTs//6.0e-21:97:84//Hs.141973:N21434
R-HEMBA1004954//ESTs//7.9e-112:596:93//Hs.6226:W61007
R-HEMBA1004956//ESTs//3.1e-58:280:100//Hs.120750:AA741074
10 R-HEMBA1004960//ESTs//6.9e-89:476:93//Hs.163738:AA601040
R-HEMBA1004972//ESTs//3.0e-72:381:95//Hs.55014:AA934035
R-HEMBA1004973//ESTs//2.7e-91:441:98//Hs.28144:AI292065
R-HEMBA1004977//ESTs//2.0e-95:446:99//Hs.29690:AI168404
R-HEMBA1004978//Homo sapiens natural killer cell group 2-F (NKG2-F) mRNA, complete cds//0.43:187:67//Hs.129734:AJ001683
15 R-HEMBA1004980//Human mRNA for KIAA0331 gene, complete cds//6.4e-53:305:91//Hs.146395:AB002329
R-HEMBA1004983//ESTs//0.16:482:57//Hs.131929:AI021894
R-HEMBA1004995
R-HEMBA1005008//EST, Weakly similar to mariner transposase [H.sapiens]//6.9e-51:482:78//Hs.141601:N63520
20 R-HEMBA1005009//ESTs, Highly similar to ACTIN I [Naegleria fowleri]//3.8e-109:551:96//Hs.103180:AI365212
R-HEMBA1005019//Homo sapiens mRNA for KIAA0648 protein, partial cds//2.0e-105:542:94//Hs.31921:AB014548
R-HEMBA1005029//ESTs, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//8.4e-95:491:94//Hs.16085:AI261382
25 R-HEMBA1005035//Human mRNA for KIAA0033 gene, partial cds//2.3e-64:312:85//Hs.22271:D26067
R-HEMBA1005039//ESTs, Weakly similar to zinc finger protein [H.sapiens]//2.6e-48:443:78//Hs.139019:N99348
R-HEMBA1005047//ESTs, Highly similar to RAS-RELATED PROTEIN RAB-5A [Canis familiaris]//1.2e-87:542:87//Hs.16258:AI376436
R-HEMBA1005050//ESTs//6.3e-46:311:86//Hs.159510:AA297145
30 R-HEMBA1005062//ESTs//1.1e-14:216:68//Hs.129935:AA994451
R-HEMBA1005066//Human clone 23574 mRNA sequence//2.2e-24:303:73//Hs.79385:U90905
R-HEMBA1005075//EST//0.65:214:62//Hs.133991:AI075789
R-HEMBA1005079//Human BENE mRNA, partial cds//1.9e-44:304:83//Hs.85889:U17077
R-HEMBA1005083//ESTs//2.8e-74:356:98//Hs.132272:AI393958
35 R-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds//1.7e-111:545:96//Hs.11170:AF080561
R-HEMBA1005113//ESTs//1.1e-101:512:95//Hs.7972:AI052739
R-HEMBA1005123//Ley I-L//3.6e-58:519:77//Hs.37062:AC005952
R-HEMBA1005133//H.sapiens mRNA for MACH-alpha-2 protein//8.3e-46:309:85//Hs.19949:X98173
40 R-HEMBA1005149//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//4.7e-36:394:75//Hs.67619:AB007957
R-HEMBA1005152//Homo sapiens antigen NY-CO-16 mRNA, complete cds//3.6e-32:362:77//Hs.132206:AF039694
R-HEMBA1005159//EST//7.4e-47:252:94//Hs.134930:AI093397
45 R-HEMBA1005185//ESTs//5.2e-48:305:89//Hs.14920:AA910914
R-HEMBA1005201//ESTs//4.7e-58:293:97//Hs.23752:C05766
R-HEMBA1005202//ESTs//1.0:169:59//Hs.153423:AI198239
R-HEMBA1005219//Homo sapiens putative tumor suppressor protein (123F2) mRNA, complete cds//0.84:191:61//Hs.26931:AF061836
50 R-HEMBA1005223//ESTs//0.75:90:70//Hs.127446:AA167284
R-HEMBA1005232//EST//0.056:162:67//Hs.65649:F13687
R-HEMBA1005241//ESTs//3.6e-113:564:96//Hs.12770:W84331
R-HEMBA1005244//ESTs//6.4e-22:118:100//Hs.21396:AA114834
R-HEMBA1005251//ESTs//8.5e-36:213:92//Hs.161554:AA393896
55 R-HEMBA1005252//Homo sapiens mRNA for KIAA0585 protein, partial cds//6.1e-49:277:93//Hs.72660:AB011157
R-HEMBA1005274//ESTs//3.7e-65:322:98//Hs.105166:AA668862
R-HEMBA1005275//ESTs//2.1e-29:298:73//Hs.33393:R83391
R-HEMBA1005293//ESTs//3.5e-93:448:98//Hs.12066:AI208611

EP 1 074 617 A2

R-HEMBA1005296//ESTs//4.3e-33:168:100//Hs.13916:AI025750
 R-HEMBA1005304//Small inducible cytokine A5 (RANTES)//2.8e-50:315:82//Hs.155464:AF088219
 R-HEMBA1005311//Homo sapiens 4F5S mRNA, complete cds//1.3e-44:318:83//Hs.32567:AF073519
 R-HEMBA1005314//ESTs//3.0e-103:491:98//Hs.41606:AI095046
 5 R-HEMBA1005315//EST//1.9e-29:370:72//Hs.161483:N59169
 R-HEMBA1005318//ESTs//3.9e-110:535:97//Hs.26771:AA126472
 R-HEMBA1005331//Inter cellular adhesion molecule 2//7.6e-39:256:87//Hs.83733:X15606
 R-HEMBA1005353//ESTs//1.7e-81:406:96//Hs.155374:AI341467
 R-HEMBA1005359//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//4.7e-46:294:81//Hs.
 10 129735:AF010144
 R-HEMBA1005367//Alcohol dehydrogenase 2 (class I), beta polypeptide//1.0:210:62//Hs.4:X03350
 R-HEMBA1005372//ESTs//6.2e-95:451:99//Hs.135219:AI091653
 R-HEMBA1005374//ESTs//1.5e-107:502:99//Hs.118208:AA947305
 R-HEMBA1005389//Fc fragment of IgA, receptor for//1.0e-39:311:80//Hs.54486:X54150
 15 R-HEMBA1005394//ESTs, Weakly similar to coded for by C. elegans cDNA yk30b3.5 [C.elegans]//4.0e-88:489:
 92//Hs.43864:AA131568
 R-HEMBA1005403//EST//0.0011:78:75//Hs.127061:AA863278
 R-HEMBA1005408//ESTs//3.2e-29:395:71//Hs.117532:AA676725
 R-HEMBA1005410//ESTs//1.5e-18:271:70//Hs.144604:AI052059
 20 R-HEMBA1005411//ESTs//1.1e-35:335:77//Hs.141181:R98757
 R-HEMBA1005423//Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds//1.8e-118:
 453:99//Hs.4854:AF041248
 R-HEMBA1005426//Chromosome 1 specific transcript KIAA0491//0.25:264:61//Hs.136309:AB007960
 R-HEMBA1005443//Homo sapiens (clone s153) mRNA fragment//1.7e-47:305:87//Hs.6445:L40391
 25 R-HEMBA1005447//ESTs//5.7e-83:529:86//Hs.114253:AA745961
 R-HEMBA1005468//ESTs//7.3e-23:249:73//Hs.61199:AA024494
 R-HEMBA1005469//Human mRNA for KIAA0355 gene, complete cds//4.5e-45:320:85//Hs.153014:AB002353
 R-HEMBA1005472//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//8.4e-73:464:87//Hs.103948:
 K00627
 30 R-HEMBA1005475//ESTs//0.32:192:59//Hs.62694:AA100445
 R-HEMBA1005497
 R-HEMBA1005500//ESTs//2.2e-43:307:85//Hs.146811:AA410788
 R-HEMBA1005506//75 kda infertility-related sperm protein [human, testis, mRNA Partial, 2427 nt]//0.11:295:60//
 Hs.62608:S58544
 35 R-HEMBA1005508//ESTs//2.8e-55:319:93//Hs.50150:N90870
 R-HEMBA1005511//ESTs, Weakly similar to similar to mouse MMR1 [C.elegans]//2.6e-82:387:99//Hs.67466:
 AI219740
 R-HEMBA1005517//ESTs//4.6e-77:469:90//Hs.126787:AA203322
 R-HEMBA1005518//ESTs//1.5e-108:561:94//Hs.123167:AA601045
 40 R-HEMBA1005520//Putative mismatch repair/binding protein hMSH3//7.5e-44:179:84//Hs.42674:U61981
 R-HEMBA1005526//ESTs//8.7e-46:308:86//Hs.146811:AA410788
 R-HEMBA1005528//ESTs, Highly similar to POP2 PROTEIN [Saccharomyces cerevisiae]//8.6e-115:578:95//Hs.
 17035:AI080471
 R-HEMBA1005530//ESTs//1.5e-110:551:96//Hs.107294:W72350
 45 R-HEMBA1005548//ESTs//1.7e-100:510:96//Hs.9115:N90926
 R-HEMBA1005552//Interleukin 10//2.4e-38:306:80//Hs.2180:M57627
 R-HEMBA1005558//ESTs, Weakly similar to unknown [S.cerevisiae]//5.3e-77:439:91//Hs.22897:R43193
 R-HEMBA1005568//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.4e-31:
 182:76//Hs.133526:N21103
 50 R-HEMBA1005570//ESTs//3.3e-67:411:88//Hs.142245:AA489709
 R-HEMBA1005576//EST//0.91:52:73//Hs.149518:AI280497
 R-HEMBA1005577
 R-HEMBA1005581//Homo sapiens mRNA for MEGF5, partial cds//3.1e-28:561:64//Hs.57929:AB011538
 R-HEMBA1005582//ESTs//6.0e-73:371:97//Hs.103758:C06392
 55 R-HEMBA1005583//ESTs//8.3e-79:413:95//Hs.62348:AA419539
 R-HEMBA1005588//Human c-yes-1 mRNA//2.6e-52:403:83//Hs.75680:M15990
 R-HEMBA1005593//ESTs//3.3e-30:139:80//Hs.142273:W37905
 R-HEMBA1005595//ESTs//1.1e-97:454:100//Hs.27497:AI274820

R-HEMBA1005606//EST//1.0e-12:313:64//Hs.162402:AA573125
 R-HEMBA1005609//ESTs//0.49:278:58//Hs.76235:W56390
 R-HEMBA1005616//EST//1.3e-98:470:99//Hs.122230:AA781422
 R-HEMBA1005621//ESTs, Weakly similar to MITOTIC MAD2 PROTEIN [S.cerevisiae]//2.8e-95:539:92//Hs.
 5 19400:AA662845
 R-HEMBA1005627//Human mRNA for adipogenesis inhibitory factor//5.5e-38:317:78//Hs.1721:X58377
 R-HEMBA1005631//Human mRNA for KIAA0393 gene, complete cds//2.3e-11:279:65//Hs.15245:AF041081
 R-HEMBA1005632//EST//1.5e-10:181:70//Hs.120259:AA731522
 R-HEMBA1005634//Homo sapiens mRNA for chemokine LEC precursor, complete cds//1.4e-25:234:80//Hs.
 10 10458:AF088219
 R-HEMBA1005666//ESTs//2.3e-103:534:95//Hs.14512:AA205973
 R-HEMBA1005670//ESTs//2.6e-39:166:81//Hs.139414:AI279477
 R-HEMBA1005679//Esterase D/formylglutathione hydrolase//1.3e-50:322:88//Hs.82193:M13450
 R-HEMBA1005680//Homo sapiens LIM protein mRNA, complete cds//3.3e-43:343:81//Hs.154103:AF061258
 R-HEMBA1005685//Human homeodomain protein (Prox 1) mRNA, complete cds//0.0050:235:64//Hs.159437:
 15 U44060
 R-HEMBA1005699//Human putative EPH-related PTK receptor ligand LERK-8 (Eplg8) mRNA, complete cds//
 1.7e-47:376:84//Hs.26988:U66406
 R-HEMBA1005705//ESTs//3.0e-53:259:99//Hs.55314:AA772055
 R-HEMBA1005717//EST//2.5e-59:287:99//Hs.146870:AI159943
 R-HEMBA1005732//Homo sapiens mRNA for cartilage-associated protein (CASP)//1.2e-45:398:79//Hs.155481:
 20 AJ006470
 R-HEMBA1005737//ESTs//2.5e-57:416:83//Hs.23245:AA053815
 R-nnnnnnnnnnnnn//EST//0.098:125:68//Hs.136945:AA765672
 R-HEMBA1005755//EST//2.2e-22:180:84//Hs.141488:N47096
 R-HEMBA1005765//Human peptide transporter (HPEPT1) mRNA, complete cds//3.9e-47:404:80//Hs.2217:
 25 U21936
 R-HEMBA1005780//ESTs//1.3e-106:512:97//Hs.11901:AA173974
 R-HEMBA1005813//Homo sapiens mRNA for chemokine LEC precursor, complete cds//2.0e-33:195:84//Hs.
 30 10458:AF088219
 R-HEMBA1005815//ESTs//7.6e-19:290:71//Hs.112218:AI038601
 R-HEMBA1005822//ESTs//5.4e-49:246:98//Hs.34804:AA514960
 R-HEMBA1005829//ESTs//2.7e-72:344:99//Hs.54548:AI039201
 R-HEMBA1005834//ESTs//1.6e-44:317:82//Hs.157029:AI080618
 R-HEMBA1005852//ESTs//1.6e-102:544:93//Hs.9911:AA098911
 R-HEMBA1005853//ESTs//1.8e-78:398:95//Hs.140248:AA757917
 R-HEMBA1005884//EST//2.6e-18:275:67//Hs.139357:AA420970
 R-HEMBA1005891//ESTs//2.1e-89:427:98//Hs.67317:AI022252
 R-HEMBA1005894
 R-HEMBA1005909//ESTs//2.6e-91:436:99//Hs.147492:AI215686
 R-HEMBA1005911//ESTs//1.1e-85:446:95//Hs.134494:AI076363
 R-HEMBA1005921//ESTs//1.4e-84:428:95//Hs.127993:AA970632
 R-HEMBA1005931//Homo sapiens mRNA for KIAA0526 protein, complete cds//9.5e-45:446:75//Hs.59403:
 45 AB011098
 R-HEMBA1005934//ESTs//0.20:142:65//Hs.97079:AA370867
 R-HEMBA1005962//ESTs//1.8e-87:409:100//Hs.161292:AI199418
 R-HEMBA1005963
 R-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//2.2e-113:580:95//Hs.
 50 26285:AF082516
 R-HEMBA1005991//Human antiseecretory factor-1 mRNA, complete cds//2.0e-45:551:70//Hs.148495:AF050199
 R-HEMBA1005999//ESTs//7.5e-24:201:69//Hs.157029:AI080618
 R-HEMBA1006002//ESTs//3.1e-112:573:95//Hs.61233:AI379875
 R-HEMBA1006005//EST//1.0:105:63//Hs.145273:AI249436
 R-nnnnnnnnnnnnn/Homo sapiens mRNA for KIAA0725 protein, partial cds//2.4e-28:444:67//Hs.26450:AB018268
 R-HEMBA1006035//ESTs//4.5e-94:465:97//Hs.44625:N49951
 R-HEMBA1006036//ESTs//6.1e-90:420:100//Hs.126771:AA916508
 R-HEMBA1006042//EST//1.5e-88:424:98//Hs.132551:AA948490
 R-nnnnnnnnnnnnn

R-HEMBA1006081//ESTs//7.8e-68:356:95//Hs.27410:N25612
 R-HEMBA1006090//EST//5.1e-66:320:99//Hs.99551:AA461517
 R-HEMBA1006091//ESTs//2.0e-84:441:94//Hs.9658:AA506313
 R-HEMBA1006100//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//3.4e-43:328:82//
 5 Hs.73614:U83460
 R-HEMBA1006108//ESTs//1.5e-44:228:98//Hs.26368:AA789297
 R-HEMBA1006121//ESTs//1.6e-116:547:99//Hs.34151:AI279293
 R-HEMBA1006124//EST//1.6e-20:286:64//Hs.148457:AI198931
 R-HEMBA1006130//ESTs//8.8e-47:231:99//Hs.16470:AA121635
 10 R-HEMBA1006130//ESTs//8.8e-47:231:99//Hs.16470:AA121635
 R-HEMBA1006142//ESTs//1.5e-27:255:70//Hs.139507:T77542
 R-HEMBA1006155//ESTs//4.9e-64:353:94//Hs.84560:R41212
 R-HEMBA1006158//Deoxyuridine triphosphatase//0.99:162:62//Hs.82113:U31930
 15 R-HEMBA1006173//ESTs//7.5e-85:462:92//Hs.79092:H29627
 R-HEMBA1006182//ESTs//5.5e-29:218:72//Hs.141466:H96906
 R-HEMBA1006198//ESTs//2.1e-34:282:82//Hs.142068:AA176125
 R-HEMBA1006235//Homo sapiens clone 24422 mRNA sequence//6.9e-112:545:97//Hs.109268:AF070557
 R-HEMBA1006248//ESTs, Highly similar to ZINC FINGER PROTEIN MFG1 [Mus musculus]//3.3e-114:581:95//
 20 Hs.23617:AA928683
 R-HEMBA1006252//Human mRNA for KIAA0080 gene, partial cds//7.0e-48:284:76//Hs.74554:D38522
 R-HEMBA1006253//Homo sapiens 45kDa splicing factor mRNA, complete cds//5.7e-30:179:91//Hs.15836:
 AF083384
 R-HEMBA1006259//Homo sapiens KIAA0421 mRNA, partial cds//1.5e-45:326:84//Hs.41742:AB007881
 25 R-HEMBA1006268//ESTs, Highly similar to c-Jun leucine zipper interactive [M.musculus]//1.2e-97:529:93//Hs.
 10552:AA524401
 R-HEMBA1006272//ESTs, Moderately similar to RETROVIRUS-RELATED PROTEASE [H.sapiens]//2.7e-88:484:
 92//Hs.104129:AA923278
 R-HEMBA1006283//ESTs, Weakly similar to NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB2 [S.
 30 cerevisiae]//1.6e-66:377:91//Hs.108674:W25821
 R-HEMBA1006284//ESTs//3.7e-110:544:96//Hs.55296:AI084735
 R-HEMBA1006291//ESTs//2.2e-91:457:96//Hs.114611:N37019
 R-HEMBA1006293//ESTs//5.4e-78:370:99//Hs.155111:AI202037
 35 R-HEMBA1006309//ERYTHROCYTE BAND 7 INTEGRAL MEMBRANE PROTEIN//3.7e-40:167:86//Hs.74478:
 U33931
 R-HEMBA1006310//ESTs, Weakly similar to reverse transcriptase [M.musculus]//5.6e-76:417:94//Hs.111754:
 AI204587
 R-HEMBA1006328//Small inducible cytokine A5 (RANTES)//2.8e-60:397:78//Hs.155464:AF088219
 40 R-HEMBA1006334//Human occludin mRNA, complete cds//0.72:369:59//Hs.93518:U49184
 R-HEMBA1006344//Human plectin (PLEC1) mRNA, complete cds//0.016:217:64//Hs.79706:U53204
 R-HEMBA1006347//ESTs, Highly similar to HYPOTHETICAL 97.6 KD PROTEIN IN SHP1-SEC17 INTERGENIC
 REGION [Saccharomyces cerevisiae]//3.6e-119:582:97//Hs.42343:AI417075
 R-HEMBA1006349//ESTs//5.2e-57:305:94//Hs.6338:AA411382
 45 R-HEMBA1006359//ESTs//8.2e-90:426:99//Hs.100873:AA678008
 R-HEMBA1006364//ESTs//2.2e-98:582:91//Hs.23837:AA541787
 R-HEMBA1006377//EST//0.0097:145:621//Hs.133027:AI049830
 R-HEMBA1006380//Homo sapiens mRNA for KIAA0594 protein, partial cds//1.0e-41:349:79//Hs.154872:
 AB011166
 50 R-HEMBA1006381//ESTs//5.1e-46:320:85//Hs.37573:H59651
 R-HEMBA1006398//Human Line-1 repeat mRNA with 2 open reading frames//9.0e-87:582:84//Hs.23094:M19503
 R-HEMBA1006416//ESTs//1.5e-17:251:73//Hs.33950:AI218923
 R-HEMBA1006419//EST//8.5e-65:353:94//Hs.141309:H72778
 R-HEMBA1006421//Oxytocin receptor//1.2e-12:249:68//Hs.2820:X64878
 55 R-HEMBA1006424//ESTs, Weakly similar to pot. ORF II [H.sapiens]//6.3e-13:263:66//Hs.43127:AA258004
 R-HEMBA1006426//ESTs//6.5e-84:401:99//Hs.37303:C16964
 R-HEMBA1006438//EST//0.87:266:57//Hs.99456:AA457380
 R-HEMBA1006445//ESTs//2.0e-81:414:96//Hs.58153:W72033

EP 1 074 617 A2

R-HEMBA1006446//Homo sapiens mRNA for cadherin-6, complete cds//1.6e-05:487:58//Hs.32963:D31784
 R-HEMBA1006461//ESTs//5.1e-78:393:97//Hs.142677:R95895
 R-HEMBA1006467//ESTs, Weakly similar to putative p150 [H.sapiens]//3.0e-17:342:63//Hs.111730:AA604403
 R-HEMBA1006471//ESTs//3.8e-66:370:92//Hs.14063:T77441
 5 R-HEMBA1006474
 R-HEMBA1006483//Human G protein-coupled receptor (STRL22) mRNA, complete cds//4.2e-40:365:78//Hs.46468:U45984
 R-HEMBA1006485//H.sapiens mRNA for aminopeptidase//2.5e-92:517:91//Hs.132243:Y07701
 R-HEMBA1006486//EST//7.0e-47:240:76//Hs.161917:AA483223
 10 R-HEMBA1006489//ESTs//2.1e-93:440:99//Hs.125264:AA873350
 R-HEMBA1006492//ESTs//0.00034:52:90//Hs.163219:AA810720
 R-HEMBA1006494//EST//1.8e-06:192:67//Hs.141401:H93387
 R-HEMBA1006497//ESTs//6.2e-45:232:97//Hs.118015:N33117
 R-HEMBA1006502//Complement component 5 receptor 1 (C5a ligand)//8.7e-16:135:72//Hs.2161:M62505
 15 R-HEMBA1006507//Homo sapiens mRNA for KIAA0666 protein, partial cds//3.9e-117:570:96//Hs.153858:AB014566
 R-HEMBA1006521//ESTs//9.9e-99:496:96//Hs.64906:AA677300
 R-HEMBA1006530//ESTs//0.18:260:60//Hs.24970:AI057628
 R-HEMBA1006535//GS1 PROTEIN//0.52:267:62//Hs.78991:M86934
 20 R-HEMBA1006540//EST//0.016:143:66//Hs.148189:AA897331
 R-HEMBA1006546//Homo sapiens mRNA for KIAA0582 protein, partial cds//2.2e-48:287:91//Hs.79507:AB011154
 R-HEMBA10065597//ESTs, Moderately similar to neurodegeneration-associated protein 1 [R.norvegicus]//1.8e-109:547:96//Hs.21122:AA191594
 R-HEMBA1006562//EST//1.1e-13:327:63//Hs.149641:AI283064
 25 R-HEMBA1006566//ESTs//2.6e-59:311:97//Hs.146014:R51876
 R-HEMBA1006569//ESTs//4.7e-89:458:96//Hs.42861:W74725
 R-HEMBA1006579//ESTs//2.9e-19:110:99//Hs.126191:AA873876
 R-HEMBA1006583//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//9.5e-29:276:76//Hs.144563:AF057280
 30 R-HEMBA1006595//ESTs//1.3e-96:487:96//Hs.43228:N67390
 R-HEMBA1006597//Small inducible cytokine A5 (RANTES)//9.8e-44:291:85//Hs.155464:AF088219
 R-HEMBA1006612
 R-nnnnnnnnnnnnn//ESTs//1.2e-25:225:80//Hs.138852:AA284247
 R-HEMBA1006624//ESTs//1.9e-93:454:98//Hs.72531:AA773630
 35 R-HEMBA1006631//Human mRNA for KIAA0033 gene, partial cds//7.5e-60:286:90//Hs.22271:D26067
 R-HEMBA1006635//ESTs, Moderately similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]//2.7e-91:426:100//Hs.139469:AI299889
 R-HEMBA1006639//ESTs, Highly similar to POLYADENYLATE-BINDING PROTEIN [Homo sapiens]//3.4e-37:186:100//Hs.109818:AA411185
 40 R-HEMBA1006643//ESTs//1.8e-35:189:97//Hs.139640:AA846777
 R-HEMBA1006648//Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds//8.1e-108:567:94//Hs.6196:U40282
 R-HEMBA1006652//ESTs//7.6e-100:536:93//Hs.142613:AA129427
 R-HEMBA1006653//ESTs//2.0e-33:181:87//Hs.153599:AI282511
 45 R-HEMBA1006665//EST//1.2e-13:141:72//Hs.145596:AI263102
 R-HEMBA1006674//ESTs//3.1e-32:212:83//Hs.95115:AA206594
 R-HEMBA1006676//ESTs//2.6e-95:510:93//Hs.39140:AI041842
 R-HEMBA1006682//EST//1.4e-05:277:62//Hs.145762:AI269435
 R-HEMBA1006695//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//1.9e-32:261:79//Hs.77579:AF013263
 50 R-HEMBA1006696//ESTs//4.5e-95:448:99//Hs.155694:AI032695
 R-HEMBA1006708//ESTs, Weakly similar to Miller-Dieker lissencephaly gene [H.sapiens]//1.1e-92:483:94//Hs.6525:AI205313
 R-HEMBA1006709//ESTs//3.4e-25:207:80//Hs.88617:AA872062
 55 R-HEMBA1006717
 R-HEMBA1006737//EST//5.9e-30:317:75//Hs.140568:AA826002
 R-HEMBA1006744//Interleukin 10//3.7e-41:419:74//Hs.2180:M57627
 R-HEMBA1006754//ESTs//1.2e-46:276:83//Hs.141254:AI334099

EP 1 074 617 A2

R-HEMBA1006758//ESTs//0.00043:48:100//Hs.157265:AA489646
 R-HEMBA1006767//EST//0.094:120:65//Hs.159873:R92763
 R-HEMBA1006779//EST//9.3e-45:298:85//Hs.149580:AI281881
 R-HEMBA1006780//ESTs//1.6e-46:423:77//Hs.141602:N63562
 5 R-HEMBA1006789//ESTs//7.6e-55:245:95//Hs.6459:AI092936
 R-HEMBA1006795//ESTs//8.6e-47:315:78//Hs.140491:W52705
 R-HEMBA1006796//ESTs//0.26:175:65//Hs.103280:AI334978
 R-HEMBA1006807//Homo sapiens DEC-205 mRNA, complete cds//5.7e-47:461:75//Hs.153563:AF011333
 R-HEMBA1006821//ESTs//3.5e-12:222:68//Hs.150439:AI016305
 10 R-HEMBA1006824//Homo sapiens mRNA, clone:RES4-16//6.7e-51:298:90//Hs.121493:D25272
 R-HEMBA1006832//ESTs//0.0050:108:70//Hs.12853:T65556
 R-HEMBA1006849//Human mRNA for KIAA0118 gene, partial cds//2.1e-49:367:83//Hs.154326:D42087
 R-HEMBA1006865//ESTs//0.85:112:63//Hs.116430:AA644665
 R-nnnnnnnnnnnnn//Homo sapiens mRNA for KIAA0772 protein, complete cds//1.8e-67:611:74//Hs.15519:
 15 AB018315
 R-HEMBA1006885//ESTs//2.4e-66:347:96//Hs.100624:N95453
 R-HEMBA1006900//ESTs//2.7e-91:466:96//Hs.32984:R89739
 R-HEMBA1006921//ESTs//2.2e-33:170:100//Hs.152277:AA593117
 R-HEMBA1006926//ESTs, Weakly similar to ZK1053.6 [C.elegans]//2.9e-28:213:84//Hs.9096:AA029400
 20 R-HEMBA1006929//ESTs//4.0e-13:210:66//Hs.100895:AA479308
 R-HEMBA1006936//ESTs//3.9e-05:60:93//Hs.8737:W22712
 R-HEMBA1006938//EST//0.0021:244:62//Hs.144237:W52382
 R-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein//6.5e-77:371:98//Hs.42644:
 AJ010841
 25 R-HEMBA1006949//ESTs//1.2e-67:335:98//Hs.25780:R51321
 R-HEMBA1006973//ESTs//0.029:242:61//Hs.146074:N34457
 R-HEMBA1006976//EST//0.70:206:61//Hs.147092:AI189827
 R-HEMBA1006993//Human mRNA for KIAA0327 protein, complete cds//2.6e-47:368:80//Hs.149323:AB002325
 R-HEMBA1006996//ESTs//0.027:326:58//Hs.105008:AA451679
 30 R-HEMBA1007002//ESTs//0.13:116:66//Hs.26928:Z41440
 R-HEMBA1007017//ESTs//4.3e-47:208:87//Hs.155243:N70293
 R-HEMBA1007018//ESTs, Moderately similar to LIC-2 [R.norvegicus]//2.8e-112:558:96//Hs.107905:AI248363
 R-HEMBA1007045
 R-HEMBA1007051//ESTs//2.5e-39:321:80//Hs.146811:AA410788
 35 R-HEMBA1007052//EST//3.4e-41:377:74//Hs.44634:N34839
 R-HEMBA1007062//ESTs//1.2e-92:439:99//Hs.162882:AA807140
 R-HEMBA1007066//ESTs//0.85:204:61//Hs.22795:AI208272
 R-HEMBA1007073//ESTs//6.6e-52:362:85//Hs.30821:AI096866
 R-HEMBA1007078//EST, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//7.2e-
 40 40:163:83//Hs.152369:AA504818
 R-HEMBA1007085//ESTs//8.1e-103:519:96//Hs.90638:AI348087
 R-HEMBA1007087//ESTs//3.1e-51:354:86//Hs.6449:W95025
 R-HEMBA1007112//EST//0.090:328:59//Hs.136623:AA633597
 R-HEMBA1007113//Homo sapiens mRNA, clone:RES4-16//1.1e-47:427:76//Hs.121493:D25272
 45 R-HEMBA1007129//ESTs//6.1e-13:314:65//Hs.137538:AA769438
 R-HEMBA1007147
 R-HEMBA1007149//ESTs//9.7e-103:540:94//Hs.127240:AA149818
 R-HEMBA1007151//ESTs//8.2e-102:505:96//Hs.24948:AA977674
 R-nnnnnnnnnnnnn//Homo sapiens epsin 2b mRNA, complete cds//1.6e-104:529:94//Hs.22396:AF062085
 50 R-HEMBA1007178//ESTs//2.2e-57:366:90//Hs.21648:AI302954
 R-HEMBA1007194//ESTs//9.0e-68:336:98//Hs.49760:AA741051
 R-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds//1.7e-62:332:95//Hs.3363:D86987
 R-HEMBA1007206//Human c-yes-1 mRNA//4.5e-49:390:80//Hs.75680:M15990
 R-HEMBA1007224//Homo sapiens mRNA for KIAA0797 protein, partial cds//7.4e-98:471:97//Hs.27197:
 55 AB018340
 R-HEMBA1007251//ESTs//1.6e-78:377:99//Hs.98912:AA436864
 R-HEMBA1007256//ESTs//3.5e-20:127:79//Hs.137352:AA024934
 R-HEMBA1007267//Homo sapiens KIAA0395 mRNA, partial cds//8.8e-48:343:83//Hs.43681:AL022394

EP 1 074 617 A2

R-HEMBA1007273//ESTs//1.0e-98:472:98//Hs.122610:AA807062
 R-HEMBA1007279//ESTs//3.3e-107:558:94//Hs.126480:AI221207
 R-HEMBA1007281//EST//0.074:244:63//Hs.29304:R73543
 R-HEMBA1007288//EST//9.4e-43:344:81//Hs.162112:AA524804
 5 R-HEMBA1007300//ESTs//0.096:371:57//Hs.102680:N52990
 R-HEMBA1007301
 R-HEMBA1007319//ESTs//7.7e-113:570:96//Hs.29263:AI337917
 R-HEMBA1007320//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]//5.5e-15:311:64//Hs.142764:AA205569
 10 R-HEMBA1007322//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//5.7e-49:383:83//Hs.139107:K00629
 R-HEMBA1007327//Human melanoma antigen recognized by T-cells (MART-1) mRNA//1.9e-42:371:79//Hs.154069:U06452
 R-HEMBA1007341//EST//3.0e-17:291:68//Hs.150788:AI301848
 15 R-HEMBA1007342//EST//2.7e-11:263:67//Hs.145259:AI218684
 R-HEMBA1007347//Homo sapiens DEC-205 mRNA, complete cds//9.7e-47:368:82//Hs.153563:AF011333
 R-HEMBA1000005//ESTs, Weakly similar to putative p150 [H.sapiens]//3.3e-44:341:71//Hs.111730:AA604403
 R-HEMBA1000008//Homo sapiens tumor necrosis factor superfamily member LIGHT mRNA, complete cds//3.2e-40:292:83//Hs.129708:AF064090
 20 R-HEMBA1000018//H.sapiens mRNA for urea transporter//5.0e-49:311:87//Hs.66710:X96969
 R-HEMBA1000024//ESTs//7.5e-21:234:76//Hs.157049:AI345418
 R-HEMBA1000025//ESTs//2.2e-36:371:78//Hs.56562:AA056332
 R-HEMBA1000030//ESTs//3.2e-76:373:97//Hs.140190:AA701449
 R-HEMBA1000036//ESTs, Highly similar to HYPOTHETICAL 43.2 KD PROTEIN C34E10.1 IN CHROMOSOME
 25 III [Caenorhabditis elegans]//6.0e-92:477:95//Hs.4877:AA418465
 R-HEMBA1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//2.5e-92:467:97//Hs.20815:AF084928
 R-HEMBA1000039//ESTs//1.8e-43:361:71//Hs.108206:N64702
 R-HEMBA1000044//EST//7.6e-70:367:95//Hs.140860:R42954
 30 R-HEMBA1000048//EST//1.5e-45:262:91//Hs.157627:AI357802
 R-HEMBA1000050//ESTs//0.039:91:74//Hs.163189:AA236903
 R-HEMBA1000054//ESTs//3.0e-104:550:94//Hs.152395:AA533107
 R-HEMBA1000055//ESTs, Moderately similar to UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX SUB-UNIT VI REQUIRING PROTEIN [H.sapiens]//1.1e-72:350:99//Hs.116490:AA659584
 35 R-HEMBA1000059//ESTs//1.7e-10:200:70//Hs.163954:N57939
 R-HEMBA1000083//Homo sapiens mRNA for GCP170, complete cds//6.0e-41:337:80//Hs.4953:D63997
 R-HEMBA1000089//Human mRNA for KIAA0355 gene, complete cds//3.5e-39:487:70//Hs.153014:AB002353
 R-HEMBA1000099//ESTs//5.7e-37:353:75//Hs.22910:W18193
 R-HEMBA1000103//Homo sapiens mRNA for KIAA0640 protein, partial cds//6.5e-18:298:69//Hs.153026:AB014540
 40 R-HEMBA1000113//EST//8.2e-94:437:100//Hs.136893:AA805239
 R-HEMBA1000119//Homo sapiens ASMTL gene//1.2e-84:428:95//Hs.6315:Y15521
 R-HEMBA1000136//ESTs//0.043:262:59//Hs.61304:AA025692
 R-HEMBA1000141//ESTs//5.0e-38:254:79//Hs.141658:N77915
 45 R-HEMBA1000144//ESTs//9.6e-05:235:60//Hs.61700:AA033951
 R-HEMBA1000173//EST//9.6e-44:258:76//Hs.161917:AA483223
 R-HEMBA1000175//ESTs//4.8e-98:475:97//Hs.149740:AI199558
 R-HEMBA1000198//ESTs//1.0:123:62//Hs.116602:AA665965
 R-HEMBA1000215//Human mRNA for KIAA0355 gene, complete cds//2.2e-46:302:86//Hs.153014:AB002353
 50 R-HEMBA1000217//ESTs//2.2e-105:496:99//Hs.65973:AI339364
 R-HEMBA1000218//Homo sapiens DNA fragmentation factor 40 kDa subunit (DFF40) mRNA, complete cds//1.1e-48:292:79//Hs.133089:AF064019
 R-HEMBA10002267//ESTs, Weakly similar to HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II [C.elegans]//5.1e-73:449:89//Hs.16803:AA843214
 55 R-HEMBA1000240//ESTs//1.1e-109:536:97//Hs.13528:AA523106
 R-HEMBA1000244//Small inducible cytokine A5 (RANTES)//9.5e-42:323:83//Hs.155464:AF088219
 R-HEMBA1000250//EST//8.8e-12:284:64//Hs.145960:AI276783
 R-HEMBA1000258//EST//4.5e-14:315:66//Hs.162551:AA584782

R-HEM BB1000264
 R-HEM BB1000266//ESTs, Weakly similar to similar to the beta transducin family [C.elegans]//2.7e-102:556:93//
 Hs.16079:AA083522
 R-HEM BB1000272//ESTs//4.3e-91:480:94//Hs.107467:H11385
 5 R-HEM BB1000274//Homo sapiens mRNA for KIAA0557 protein, partial cds//7.9e-24:198:72//Hs.101414:
 AB011129
 R-HEM BB1000284//ESTs//4.8e-64:389:91//Hs.118043:N50458
 R-HEM BB1000307//Human mRNA for KIAA0355 gene, complete cds//3.6e-43:288:87//Hs.153014:AB002353
 R-HEM BB1000312//ESTs//6.0e-23:272:73//Hs.121354:AA758601
 10 R-HEM BB1000317//ESTs//7.5e-90:424:99//Hs.150042:AI298034
 R-HEM BB1000318//Small inducible cytokine A5 (RANTES)//3.3e-41:318:80//Hs.155464:AF088219
 R-HEM BB1000335//ESTs//3.7e-15:324:65//Hs.85077:AA968576
 R-HEM BB1000336//ESTs//6.4e-76:402:95//Hs.17207:H92480
 R-HEM BB-1000337//ESTs//2.1e-80:391:97//Hs.118990:AI378084
 15 R-HEM BB1000338//Small inducible cytokine A5 (RANTES)//4.0e-39:274:85//Hs.155464:AF088219
 R-HEM BB1000339//EST//5.8e-41:336:79//Hs.151873:AA205736
 R-HEM BB1000341//ESTs//3.8e-19:310:68//Hs.37573:H59651
 R-HEM BB1000343//EST//1.1e-77:396:95//Hs.162664:AA605020
 R-HEM BB1000354//Human mRNA for KIAA0186 gene, complete cds//1.7e-15:293:65//Hs.36232:D80008
 20 R-HEM BB1000369//ESTs//1.6e-21:234:73//Hs.111583:AA463590
 R-HEM BB1000374//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//2.3e-56:335:77//Hs.
 92381:AB007956
 R-HEM BB1000376//H.sapiens mRNA for urea transporter//2.7e-50:525:74//Hs.66710:X96969
 R-HEM BB1000391//ESTs//6.6e-50:316:88//Hs.142259:AA828840
 25 R-HEM BB1000399//Homo sapiens mRNA for cell cycle checkpoint protein//3.8e-109:531:97//Hs.16184:AJ001642
 R-HEM BB1000402//H.sapiens mRNA for MACH-alpha-2 protein//2.7e-35:369:72//Hs.19949:X98173
 R-HEM BB1000404//ESTs//0.088:298:59//Hs.61607:AA032026
 R-HEM BB1000420//EST//2.2e-78:376:98//Hs.160787:AI336591
 R-HEM BB1000434//Human mRNA for KIAA0118 gene, partial cds//3.9e-50:302:89//Hs.154326:D42087
 30 R-HEM BB1000438//ESTs, Weakly similar to !!!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens]//0.30:214:63//
 Hs.142209:AA873303
 R-HEM BB1000441//Human c-yes-1 mRNA//2.2e-46:280:90//Hs.75680:M15990
 R-HEM BB1000449//ESTs//7.8e-59:332:92//Hs.87013:AA130221
 R-HEM BB1000455//EST//4.8e-14:421:65//Hs.68832:AA088438
 35 R-HEM BB1000472//ESTs//1.1e-104:505:98//Hs.132824:AI033396
 R-HEM BB1000480//Human mRNA for KIAA0392 gene, partial cds//2.5e-49:295:90//Hs.40100:AB002390
 R-HEM BB1000487//EST//0.78:87:68//Hs.134601:AI081506
 R-HEM BB1000490//Small inducible cytokine A5 (RANTES)//4.0e-39:320:80//Hs.155464:AF088219
 R-HEM BB1000491//Homo sapiens PYRIN (MEFV) mRNA, complete cds//3.7e-50:312:76//Hs.113283:AF018080
 40 R-HEM BB1000493//ESTs//7.1e-18:150:82//Hs.142068:AA176125
 R-HEM BB1000510//EST//1.4e-45:139:97//Hs.152260:AA489703
 R-HEM BB1000518//Human mRNA for KIAA0118 gene, partial cds//4.8e-50:415:78//Hs.154326:D42087
 R-HEM BB1000523//Homo sapiens PYRIN (MEFV) mRNA, complete cds//2.7e-57:497:78//Hs.113283:AF018080
 R-HEM BB1000530//ESTs//2.7e-73:425:90//Hs.141254:AI334099
 45 R-HEM BB1000550//EST//2.9e-11:113:79//Hs.161503:N68662
 R-HEM BB1000554//Human huntingtin interacting protein (HIP1) mRNA, complete cds//8.2e-13:92:81//Hs.97206:
 AF052288
 R-HEM BB1000556//ESTs//1.1e-94:529:92//Hs.33476:N36986
 R-HEM BB1000564//ESTs//1.3e-19:128:91//Hs.142058:N34258
 50 R-HEM BB1000573//ESTs//1.6e-86:494:90//Hs.120979:AI160709
 R-HEM BB1000575//ESTs//1.6e-45:232:74//Hs.141019:AA287618
 R-HEM BB1000586//ESTs//5.1e-42:281:83//Hs.138852:AA284247
 R-HEM BB1000589//ESTs//1.0e-10:184:71//Hs.142677:R95895
 R-HEM BB1000591//ESTs//3.2e-40:406:75//Hs.138787:H73704
 55 R-HEM BB1000592//ESTs//1.8e-97:455:99//Hs.94229:W65391
 R-HEM BB1000598//Human anti secretory factor-1 mRNA, complete cds//1.8e-46:305:85//Hs.148495:AF050199
 R-HEM BB1000623//ESTs//8.3e-47:277:92//Hs.6045:W67125
 R-HEM BB1000630//ESTs//5.1e-106:538:96//Hs.13422:AI082249

EP 1 074 617 A2

R-HEM BB1000631//ESTs//5.1e-100:508:96//Hs.110379:N58152
 R-HEM BB1000632//ESTs//6.2e-44:371:80//Hs.132722:AA618531
 R-HEM BB1000637//Human mRNA for KIAA0080 gene, partial cds//6.4e-49:254:86//Hs.74554:D38522
 R-HEM BB1000638//EST//2.2e-38:371:76//Hs.162236:AA551582
 5 R-HEM BB1000643//ESTs//0.0049:191:62//Hs.55445:W31963
 R-HEM BB1000649//ESTs, Moderately similar to hTAFII68 [H.sapiens]//4.0e-76:399:95//Hs.124106:AA948100
 R-HEM BB1000652//ESTs//1.5e-14:271:64//Hs.163954:N57939
 R-HEM BB1000665//ESTs//4.2e-12:109:87//Hs.41407:W94988
 R-HEM BB1000671//ESTs//2.8e-68:439:87//Hs.140491:W52705
 10 R-HEM BB1000673//EST//0.58:46:82//Hs.142286:AA338293
 R-HEM BB1000684//ESTs//8.5e-20:307:72//Hs.122825:AA765454
 R-nnnnnnnnnnnn/Homo sapiens neuroan1 mRNA, complete cds//6.5e-52:287:93//Hs.158300:AF040723
 R-HEM BB1000705//Small inducible cytokine A5 (RANTES)//4.6e-24:165:78//Hs.155464:AF088219
 R-HEM BB1000706//EST//1.2e-10:211:65//Hs.105524:AA521412
 15 R-HEM BB1000709//ESTs, Weakly similar to putative p150 [H.sapiens]//3.9e-50:245:99//Hs.111730:AA604403
 R-HEM BB1000725//Human mRNA for KIAA0308 gene, partial cds//0.11:350:59//Hs.10351:AB002306
 R-HEM BB1000726//EST//5.3e-49:303:88//Hs.149580:AI281881
 R-HEM BB100073 8//Homo sapiens mRNA, clone:RES4-16//2.5e-49:302:89//Hs.121493:D25272
 R-HEM BB1000749//ESTs//1.6e-49:331:86//Hs.152788:AA630925
 20 R-HEM BB1000763//ESTs//9.7e-104:474:95//Hs.77480:AA100522
 R-HEM BB1000770//EST//1.0e-75:359:99//Hs.136564:AA642445
 R-HEM BB1000781//ESTs//5.3e-66:317:99//Hs.28827:AI125541
 R-HEM BB1000789//ESTs//5.9e-83:394:99//Hs.120842:AA435771
 R-HEM BB1000790//PLATELET GLYCOPROTEIN V PRECURSOR//1.3e-37:193:75//Hs.73734:Z23091
 25 R-HEM BB1000794//ESTs//7.1e-98:490:96//Hs.105743:AA532718
 R-HEM BB1000807//ESTs//2.6e-22:145:92//Hs.53913:AA908961
 R-HEM BB1000810//Small inducible cytokine A5 (RANTES)//1.8e-34:206:79//Hs.155464:AF088219
 R-HEM BB1000821//ESTs//2.4e-90:425:99//Hs.118659:AI052447
 R-HEM BB1000822//ESTs//1.7e-45:288:89//Hs.24130:R27124
 30 R-HEM BB1000826//Small inducible cytokine A5 (RANTES)//2.9e-51:245:82//Hs.155464:AF088219
 R-HEM BB1000827//EST//2.8e-40:295:84//Hs.149580:AI281881
 R-HEM BB1000831//ESTs//4.0e-59:291:98//Hs.62675:AA044176
 R-HEM BB1000835//ESTs//7.3e-21:124:82//Hs.102671:N52545
 R-HEM BB1000840//ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide//1.3e-43:163:84//Hs.78854:AF007876
 35 R-HEM BB1000848//Homo sapiens mRNA for KIAA0565 protein, complete cds//9.5e-41:367:78//Hs.129740:AB011137
 R-HEM BB1000852//EST//1.2e-09:188:70//Hs.127869:AA968599
 R-HEM BB1000870//Cytochrome P450, 51 (lanosterol 14-alpha-demethylase)//1.0e-41:483:73//Hs.2379:U23942
 R-HEM BB1000876//EST//0.0022:211:63//Hs.125552:AA884141
 40 R-HEM BB1000883//ESTs//1.4e-65:343:95//Hs.98269:H27247
 R-HEM BB1000887//ESTs//4.0e-22:212:79//Hs.138965:AI004740
 R-HEM BB1000888//EST//8.2e-07:196:64//Hs.118276:W15258
 R-HEM BB1000890//ISLET AMYLOID POLYPEPTIDE PRECURSOR//1.1e-46:327:83//Hs.51048:X68830
 R-HEM BB1000893//EST//4.7e-34:242:85//Hs.149580:AI281881
 45 R-HEM BB1000908//EST//0.95:27:100//Hs.142568:AA285066
 R-HEM BB1000910//ESTs//1.9e-36:318:78//Hs.141140:AA715983
 R-HEM BB1000913//Human mRNA for KIAA0327 protein, complete cds//2.5e-33:367:73//Hs.149323:AB002325
 R-HEM BB1000915//ESTs//0.00018:188:61//Hs.44847:AI222742
 R-HEM BB1000917//Homo sapiens KIAA0414 mRNA, partial cds//3.7e-41:228:84//Hs.127649:AB007874
 50 R-HEM BB1000927//ESTs//2.2e-62:307:98//Hs.97044:AA365784
 R-HEM BB1000947//ESTs, Weakly similar to F26E4.13 [C.elegans]//3.3e-60:350:91//Hs.49163:AA532881
 R-HEM BB1000959//Human Line-1 repeat mRNA with 2 open reading frames//8.1e-84:546:86//Hs.23094:MI9503
 R-HEM BB1000973//ESTs//6.8e-95:445:99//Hs.105859:AI419354
 R-HEM BB1000975//ESTs//1.2e-39:197:100//Hs.26176:AI032007
 55 R-HEM BB1000981//EST//7.7e-58:284:98//Hs.60179:AA007242
 R-HEM BB1000985//ESTs//1.2e-103:524:95//Hs.43102:AA131369
 R-HEM BB1000991//EST//0.99:58:72//Hs.100246:T23625
 R-HEM BB1000996//Homo sapiens LIM protein mRNA, complete cds//1.3e-41:482:70//Hs.154103:AF061258

EP 1 074 617 A2

R-HEM BB1001004//ESTs//5.7e-70:362:95//Hs.6434:W27112
R-HEM BB1001008//ESTs, Weakly similar to hypothetical L1 protein [H.sapiens]//2.3e-25:339:71//Hs.129992:
H58762
R-HEM BB1001011//ESTs//4.0e-53:325:92//Hs.33268:AI191214
5 R-HEM BB1001014//ESTs//1.3e-46:323:83//Hs.163980:AA715814
R-HEM BB1001020//Homo sapiens PYRIN (MEFV) mRNA, complete cds//3.0e-46:305:76//Hs.113283:AF018080
R-HEM BB1001024//ESTs//8.5e-47:374:80//Hs.141602:N63562
R-HEM BB1001037//ESTs//2.6e-47:282:91//Hs.155384:Z78385
R-HEM BB1001047//EST//6.2e-33:232:74//Hs.160146:AI049975
10 R-HEM BB1001051//ESTs//3.7e-79:385:98//Hs.95290:AA046107
R-HEM BB1001056//Homo sapiens mRNA for KIAA0618 protein, complete cds//1.1e-87:497:91//Hs.15832:
AB014518
R-HEM BB1001058//Homo sapiens mRNA for KIAA0475 protein, complete cds//2.2e-26:125:81//Hs.5737:
AB007944
15 R-HEM BB1001060//ESTs//1.9e-37:541:69//Hs.141534:N64785
R-HEM BB1001063//ESTs//4.7e-42:269:88//Hs.55855:AA621381
R-HEM BB1001068//Homo sapiens liprin-beta2 mRNA, partial cds//9.1e-107:512:97//Hs.12953:AF034803
R-HEM BB1001096//Human HsLIM15 mRNA for HsLIM15, complete cds//1.2e-20:233:70//Hs.37181:D64108
R-HEM BB1001102//Human mRNA for KIAA0355 gene, complete cds//9.1e-40:299:82//Hs.153014:AB002353
20 R-HEM BB1001105//Homo sapiens PYRIN (MEFV) mRNA, complete cds//4.8e-46:296:87//Hs.113283:AF018080
R-HEM BB1001114//ESTs//6.2e-44:293:86//Hs.70279:AA757426
R-HEM BB1001117//ESTs//1.1e-80:471:90//Hs.61935:T75092
R-HEM BB1001119//ESTs//4.0e-38:213:84//Hs.109140:AI289942
R-HEM BB1001126
25 R-HEM BB1001133//Human SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit mRNA, complete cds//1.6e-24:
285:73//Hs.554:M25077
R-HEM BB1001137//ESTs//4.6e-10:66:100//Hs.74924:AI332962
R-HEM BB1001142//EST//6.4e-48:315:85//Hs.149580:AI281881
R-HEM BB1001151
30 R-HEM BB1001153//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.3e-
65:331:96//Hs.154179:AA579197
R-HEM BB1001169//Oxytocin receptor//1.5e-25:165:73//Hs.2820:X64878
R-HEM BB1001169//ESTs//3.5e-41:233:93//Hs.129218:AA991162
R-HEM BB1001177
35 R-HEM BB1001182//ESTs//1.9e-86:455:95//Hs.6937:AA524349
R-HEM BB1001199
R-HEM BB1001208//ESTs//3.3e-43:216:99//Hs.121806:N71183
R-HEM BB1001209//ESTs//6.7e-80:409:96//Hs.141185:R99549
R-HEM BB1001210//ESTs//2.2e-46:290:88//Hs.103329:D11573
40 R-HEM BB1001218//Kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen,
antigen detected by monoclonal and antibody IA4))//3.1e-44:298:87//Hs.103458:X53795
R-HEM BB1001221//ESTs//9.4e-75:353:100//Hs.151504:AA550817
R-HEM BB1001234//ESTs, Highly similar to 65 KD YES-ASSOCIATED PROTEIN [Gallus gallus]//3.8e-80:400:96//
Hs.71873:AA148213
45 R-HEM BB1001242//ESTs//1.6e-63:404:87//Hs.25534:AA149560
R-HEM BB1001249//ESTs//3.8e-34:360:70//Hs.150727:AI292236
R-HEM BB1001253//EST//0.0011:84:77//Hs.124579:AA853987
R-HEM BB1001254//ESTs//4.5e-95:444:99//Hs.161059:AI431268
R-HEM BB1001267//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//1.3e-50:524:73//Hs.
50 159897:AB007970
R-HEM BB1001271//Human mRNA for KIAA0118 gene, partial cds//4.0e-45:323:84//Hs.154326:D42087
R-HEM BB1001282//EST//2.9e-78:401:96//Hs.72871:AA169412
R-HEM BB1001288//ESTs, Highly similar to HYPOTHETICAL 27.3 KD PROTEIN ZK353.7 IN CHROMOSOME III
[Caenorhabditis elegans]//2.6e-104:515:97//Hs.16606:W81021
55 R-HEM BB1001289//ESTs//7.8e-45:440:75//Hs.44702:AI148840
R-HEM BB1001294//ESTs//1.9e-100:476:99//Hs.109017:AI057112
R-HEM BB1001302
R-HEM BB1001304//ESTs//4.0e-92:431:99//Hs.113750:AI091154

EP 1 074 617 A2

R-HEM BB1001314//Interleukin 10//6.3e-41:334:79//Hs.2180:M57627
R-HEM BB1001315//Interleukin 10//1.9e-43:285:87//Hs.2180:M57627
R-HEM BB1001317//Human cytochrome P450-IIB (hIIB3) mRNA, complete cds//8.4e-45:357:81//Hs.110194:M29873
5 R-HEM BB1001326//ESTs//0.85:174:62//Hs.133487:AI393754
R-HEM BB1001331//ESTs, Weakly similar to DFS70 [H.sapiens]//6.5e-61:313:96//Hs.43071:AA206222
R-HEM BB1001335//EST//5.2e-80:381:99//Hs.116769:AA630365
R-HEM BB1001337//ESTs//2.7e-84:404:99//Hs.148966:AI242639
R-HEM BB1001339//ESTs//2.1e-97:485:96//Hs.88357:AA262470
10 R-HEM BB1001346
R-HEM BB1001348//ESTs//1.1e-43:295:85//Hs.163604:R94354
R-HEM BB1001356//EST//6.0e-11:89:88//Hs.152366:AA486721
R-HEM BB1001364//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.0e-12:129:79//Hs.9792:AA027055
15 R-HEM BB1001366//Human mRNA for KIAA0118 gene, partial cds//1.2e-50:550:72//Hs.154326:D42087
R-HEM BB1001367//ESTs//1.2e-19:165:82//Hs.146314:R99617
R-HEM BB1001369//Small inducible cytokine A5 (RANTES)//1.9e-25:217:80//Hs.155464:AF088219
R-HEM BB1001380//ESTs//4.0e-08:216:63//Hs.143763:AI174205
R-HEM BB1001384//ESTs//6.6e-110:547:96//Hs.6671:AI341699
20 R-HEM BB1001387//ESTs//1.1e-104:497:98//Hs.87654:AA853970
R-HEM BB1001394//ESTs//6.4e-73:428:89//Hs.139922:AA281350
R-HEM BB1001410//Alcohol dehydrogenase 7 sigma subunit (class IV)//0.88:365:58//Hs.389:X76342
R-HEM BB1001424//ESTs//1.3e-88:466:94//Hs.42174:AA194644
R-HEM BB1001426//ESTs//2.2e-45:337:82//Hs.37573:H59651
25 R-HEM BB1001429//EST//3.8e-59:543:76//Hs.158803:AI376846
R-HEM BB1001436//ESTs//3.7e-69:332:99//Hs.156518:AA724317
R-HEM BB1001443//ESTs//4.8e-54:270:98//Hs.21898:AI088201
R-HEM BB1001449//ESTs//3.2e-43:170:84//Hs.150727:AI292236
R-HEM BB1001454//ESTs//9.1e-46:304:86//Hs.139190:N55515
30 R-HEM BB1001458//ESTs//3.2e-98:478:97//Hs.50144:N67293
R-HEM BB1001463//Homo sapiens KIAA0421 mRNA, partial cds//4.3e-50:440:78//Hs.41742:AB007881
R-HEM BB1001464//ESTs, Weakly similar to K01H12.1 [C.elegans]//0.25:222:61//Hs.13275:AI341468
R-HEM BB1001482//ESTs, Moderately similar to zinc finger protein [R.norvegicus]//0.80:53:83//Hs.26799:W74481
R-HEM BB1001500//EST//1.4e-13:310:67//Hs.162663:AA604515
35 R-HEM BB1001521//Homo sapiens mRNA for KIAA0737 protein, complete cds//2.5e-29:186:92//Hs.17630:AB018280
R-HEM BB1001527//ESTs, Weakly similar to HYPOTHETICAL 92.1 KD PROTEIN ZK1098.3 IN CHROMOSOME III [Caenorhabditis elegans]//4.7e-51:404:81//Hs.141429:AA631915
R-HEM BB1001531//ESTs//3.3e-13:250:67//Hs.139158:AA226159
40 R-HEM BB1001535//H.sapiens mRNA for sigma 3B protein//1.9e-39:291:82//Hs.154782:X99459
R-HEM BB1001536//Human mRNA for KIAA0355 gene, complete cds//5.0e-44:318:83//Hs.153014:AB002353
R-HEM BB1001537//Homo sapiens KIAA0409 mRNA, partial cds//3.2e-47:318:80//Hs.5158:AB007869
R-HEM BB1001555//ESTs//2.6e-13:182:71//Hs.112671:AI377274
R-HEM BB1001562//ESTs//1.7e-43:316:83//Hs.151365:AA643962
45 R-HEM BB1001564//EST//1.3e-35:141:81//Hs.162197:AA53521
R-HEM BB1001565//Human mRNA for KIAA0331 gene, complete cds//5.1e-18:152:85//Hs.146395:AB002329
R-HEM BB1001585//ESTs//1.1e-32:190:84//Hs.33354:AA179944
R-HEM BB1001586//ESTs//4.9e-94:447:99//Hs.124084:AA843219
R-HEM BB1001588//EST//8.3e-27:363:69//Hs.141603:N66015
50 R-HEM BB1001603//ESTs//1.2e-101:482:99//Hs.12403:AI090184
R-HEM BB1001618//ESTs//5.8e-35:437:70//Hs.136868:AA805044
R-HEM BB1001619//EST//1.7e-38:476:70//Hs.139093:AA166888
R-HEM BB1001630//Homo sapiens mRNA, clone:RES4-16//5.7e-41:193:90//Hs.121493:D25272
R-HEM BB1001635//ESTs//9.5e-34:304:82//Hs.140444:AI002082
55 R-HEM BB1001637//ESTs//1.0e-42:443:74//Hs.21978:AA009633
R-HEM BB1001641//EST//2.4e-06:67:86//Hs.162398:AA572813
R-HEM BB1001653//ESTs//4.8e-80:381:99//Hs.140502:AA806438
R-HEM BB1001665//ESTs//2.3e-44:372:79//Hs.132818:AI038577

EP 1 074 617 A2

R-HEM BB1001668//ESTs//0.73:212:62//Hs.8928:N32572
R-HEM BB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds//5.9e-117:573:97//Hs.24439:
AB014546
R-HEM BB1001684//ESTs, Moderately similar to Tbc1 [M.musculus]//5.4e-106:523:97//Hs.26939:AA804534
5 R-HEM BB1001685//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.9e-
43:292:86//Hs.96337:AA225358
R-HEM BB1001695//ESTs//3.7e-101:539:94//Hs.78289:R60867
R-HEM BB1001704//EST//0.96:248:57//Hs.163025:AA703038
R-HEM BB1001706//ESTs//1.3e-39:308:81//Hs.141318:N71080
10 R-HEM BB1001707//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]//4.9e-32:277:73//Hs.142764:
AA205569
R-HEM BB1001717//ESTs//1.6e-34:225:87//Hs.57883:AA218645
R-HEM BB1001735//ESTs, Highly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//
8.6e-11:158:71//Hs.141263:H64113
15 R-HEM BB1001736//ESTs//0.0035:223:60//Hs.21354:AA203403
R-HEM BB1001747//EST//9.9e-55:293:81//Hs.112866:AA620488
R-HEM BB1001749//ESTs//2.5e-13:95:91//Hs.139888:N25287
R-HEM BB1001753//ESTs//2.6e-07:141:70//Hs.144604:AI052059
R-HEM BB1001756//EST//2.6e-06:165:64//Hs.121195:AA757211
20 R-HEM BB1001760//LOW-DENSITY LIPOPROTEIN RECEPTOR PRECURSOR//1.3e-24:264:74//Hs.70008:
L00352
R-HEM BB1001762//ESTs//2.1e-81:447:93//Hs.152766:AA211369
R-HEM BB1001785//ESTs//0.040:390:58//Hs.116651:AA993406
R-HEM BB1001797//ESTs//2.1e-90:428:99//Hs.8958:AA169253
25 R-HEM BB1001802//Desmin//9.9e-95:497:93//Hs.119104:M63391
R-HEM BB1001812//ESTs//1.2e-12:91:78//Hs.138852:AA284247
R-HEM BB1001816//Human Line-1 repeat mRNA with 2 open reading frames//5.9e-13:143:76//Hs.23094:M19503
R-HEM BB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds//5.5e-
106:498:98//Hs.159396:AF056209
30 R-HEM BB1001836//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//9.6e-39:288:73//Hs.
67619:AB007957
R-HEM BB1001839
R-HEM BB1001850//EST//0.020:119:68//Hs.32767:H38125
R-HEM BB1001863//ESTs//4.5e-17:226:72//Hs.157253:AI357539
35 R-HEM BB1001867//ESTs//2.3e-16:254:68//Hs.123664:AA806106
R-HEM BB1001868//EST//9.8e-30:155:100//Hs.160572:AA888397
R-HEM BB1001869//ESTs//2.8e-42:376:78//Hs.141973:N21434
R-HEM BB1001872//EST//0.85:156:64//Hs.119501:AA487980
R-HEM BB1001874//EST//0.64:107:70//Hs.147482:AI215572
40 R-HEM BB1001875//EST//0.079:199:59//Hs.121810:AA775240
R-HEM BB1001880//Thromboxane A2 receptor//9.0e-47:297:88//Hs.89887:D38081
R-HEM BB1001899//ESTs//6.3e-68:323:100//Hs.121538:AA609310
R-HEM BB1001905//ESTs//4.4e-19:227:73//Hs.146173:AA906191
R-HEM BB1001906//ESTs//1.6e-90:463:95//Hs.28266:H46725
45 R-HEM BB1001908//Homo sapiens EVI5 homolog mRNA, complete cds//3.7e-27:557:64//Hs.26929:AF008915
R-HEM BB1001910//EST//6.0e-37:308:78//Hs.162197:AA535216
R-HEM BB1001911//Homo sapiens tapasin (NGS-17) mRNA, complete cds//8.0e-58:367:79//Hs.5247:AF029750
R-HEM BB1001915//ESTs//3.1e-73:395:93//Hs.17054:AI139897
R-HEM BB1001921//Human mRNA for KIAA0392 gene, partial cds//2.7e-50:323:88//Hs.40100:AB002390
50 R-HEM BB1001922//H.sapiens mRNA for novel member of serine-arginine domain protein, SRp129//7.4e-38:531:
70//Hs.153086:Y11251
R-HEM BB1001925//Human mRNA for KIAA0327 protein, complete cds//9.5e-19:199:77//Hs.149323:AB002325
R-HEM BB1001930//EST//1.9e-18:136:78//Hs.132635:AI032875
R-HEM BB1001944//EST//0.034:228:57//Hs.93664:N23366
55 R-HEM BB1001945//ESTs//1.8e-83:439:95//Hs.7341:N57875
R-HEM BB1001947//ESTs//5.6e-109:533:97//Hs.48855:AA134589
R-HEM BB1001950//ESTs//1.5e-107:583:93//Hs.8033:N94998
R-HEM BB1001952//ESTs//3.1e-40:283:85//Hs.146811:AA410788

EP 1 074 617 A2

R-HEMBB1001953//Human mRNA for KIAA0080 gene, partial cds//6.2e-50:284:83//Hs.74554:D38522
 R-HEMBB1001957//EST//4.8e-50:382:81//Hs.149580:AI281881
 R-HEMBB1001962//ESTs//1.5e-20:143:88//Hs.11924:W26972
 R-HEMBB1001967//Homo sapiens mRNA for KIAA0575 protein, complete cds//2.3e-61:296:88//Hs.153468:
 5 AB011147
 R-HEMBB1001973//ESTs//1.4e-48:303:88//Hs.132722:AA618531
 R-HEMBB1001983//ESTs//2.6e-72:374:95//Hs.141022:H06475
 R-HEMBB1001988//ESTs//2.0e-31:204:88//Hs.142531:N91572
 R-HEMBB1001990//ESTs//9.4e-115:574:96//Hs.44426:AA173223
 10 R-HEMBB1001996
 R-HEMBB1001997//ESTs//7.6e-78:380:98//Hs.32682:H37798
 R-HEMBB1002002//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//3.0e-18:222:71//Hs.103948:
 K00627
 R-HEMBB1002005//EST//2.2e-41:339:80//Hs.160833:AI345334
 15 R-HEMBB1002009//EST//2.9e-44:245:94//Hs.28788:R66896
 R-HEMBB1002015//EST//0.0027:198:63//Hs.160868:AI359052
 R-HEMBB1002042//ESTs//1.1e-75:529:84//Hs.106919:AA523900
 R-HEMBB1002043//ESTs//7.9e-40:292:83//Hs.70279:AA757426
 R-HEMBB1002044//ESTs//2.1e-92:460:94//Hs.115897:AA156638
 20 R-HEMBB1002045//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.6e-75:301:85//Hs.113283:AF018080
 R-HEMBB1002049//ESTs//3.8e-77:409:94//Hs.122624:R82638
 R-HEMBB1002050//ESTs//8.7e-45:330:82//Hs.44702:AI148840
 R-HEMBB1002068//ESTs//8.3e-70:333:99//Hs.134807:AI090671
 R-HEMBB1002069//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//1.5e-75:486:81//Hs.
 25 129735:AF010144
 R-HEMBB1002092//ESTs//6.5e-46:331:83//Hs.22910:W18193
 R-HEMBB1002094//EST//3.6e-45:280:88//Hs.149580:AI281881
 R-HEMBB1002115
 R-HEMBB1002139//ESTs//4.2e-45:318:85//Hs.107657:AA126814
 30 R-HEMBB1002142//Homo sapiens haemopoietic progenitor homeobox HPX42B (HPX42B) mRNA, complete cds//
 1.4e-45:281:88//Hs.125231:AF068006
 R-HEMBB1002152//EST//4.3e-39:250:89//Hs.156552:AA833553
 R-HEMBB1002189//H.sapiens mRNA for translin associated protein X//1.4e-47:328:85//Hs.96247:X95073
 R-HEMBB1002190//ESTs//8.3e-05:122:70//Hs.41974:AF039185
 35 R-HEMBB1002193//Human sky mRNA for Sky, complete cds//8.9e-24:398:69//Hs.301:U18934
 R-HEMBB1002217//EST//6.6e-50:303:89//Hs.149580:AI281881
 R-HEMBB1002218//ESTs//2.3e-19:150:86//Hs.136031:W95841
 R-HEMBB1002232//ESTs//8.9e-47:445:77//Hs.163971:N27584
 R-HEMBB1002247//EST//6.6e-09:236:65//Hs.130578:AI004631
 40 R-HEMBB1002249//ESTs//5.2e-16:325:64//Hs.156253:AI334807
 R-HEMBB1002254//Human Line-1 repeat mRNA with 2 open reading frames//3.8e-99:590:88//Hs.23094:M19503
 R-HEMBB1002255//Human mRNA for KIAA0365 gene, partial cds//5.6e-45:342:83//Hs.84123:AB002363
 R-HEMBB1002266//ESTs//4.4e-98:472:98//Hs.65366:AI189112
 R-HEMBB1002280//EST//2.9e-41:247:90//Hs.161917:AA483223
 45 R-HEMBB1002300//ESTs//8.4e-19:229:75//Hs.138463:N72305
 R-HEMBB1002306//Homo sapiens KIAA0432 mRNA, complete cds//0.0021:138:67//Hs.155174:AB007892
 R-HEMBB1002327//EST//0.042:249:61//Hs.121097:AA714637
 R-HEMBB1002329//ESTs//1.7e-94:453:99//Hs.7114:R24312
 R-HEMBB1002340//ESTs//5.8e-15:163:77//Hs.26378:H10228
 50 R-HEMBB1002342//Homo sapiens mRNA for putative thioredoxin-like protein//0.85:46:84//Hs.42644:AJ010841
 R-HEMBB1002358//ESTs//2.0e-52:319:81//Hs.140255:AA708322
 R-HEMBB1002359//ESTs//2.7e-106:517:97//Hs.13634:AI051613
 R-HEMBB1002364//Human mRNA for KIAA0080 gene, partial cds//5.3e-37:360:65//Hs.74554:D38522
 R-HEMBB1002371//Catalase//3.3e-22:235:77//Hs.76359:X04085
 55 R-HEMBB1002381//Homo sapiens (JH8) mRNA, partial cds//1.0e-08:120:78//Hs.142296:AF072467
 R-HEMBB1002383//ESTs//3.5e-108:520:98//Hs.45140:D80055
 R-HEMBB1002387
 R-HEMBB1002415//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.3e-23:

- 168:77//Hs.133526:N21103
 R-HEMBB1002425//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//3.2e-57:304:90//Hs.144563:AF057280
 R-HEMBB1002442//ESTs//2.7e-48:289:87//Hs.155243:N70293
- 5 R-HEMBB1002453//Human mRNA for KIAA0355 gene, complete cds//6.2e-45:292:87//Hs.153014:AB002353
 R-HEMBB1002457//Human mRNA for KIAA0118 gene, partial cds//2.7e-46:546:71//Hs.154326:D42087
 R-HEMBB1002458//EST//1.8e-72:343:100//Hs.162006:AA508089
 R-HEMBB1002477//ESTs//1.6e-38:215:93//Hs.18240:AA460083
 R-HEMBB1002489//ESTs//1.2e-101:534:94//Hs.7981:H15176
- 10 R-HEMBB1002492//ESTs//5.0e-14:350:62//Hs.99205:AA204969
 R-HEMBB1002495//ESTs//2.1e-19:147:86//Hs.163747:AA174017
 R-HEMBB1002502//ESTs, Weakly similar to p40 [H.sapiens]//1.2e-68:336:98//Hs.141515:T41142
 R-HEMBB1002509//ESTs//2.7e-97:459:99//Hs.127638:AI014615
 R-HEMBB1002510//ESTs, Weakly similar to located at OATL1 [H.sapiens]//2.2e-48:265:95//Hs.48827:AA873278
- 15 R-HEMBB1002520//EST//7.2e-40:198:84//Hs.140493:AA804538
 R-HEMBB1002522//Human putative transmembrane receptor IL-1Rrp mRNA, complete cds//0.50:142:69//Hs.159301:U43672
 R-HEMBB1002531//EST//0.024:147:61//Hs.148305:AA909605
 R-HEMBB1002534//EST//3.1e-22:168:84//Hs.146794:AI149478
- 20 R-HEMBB1002545//ESTs//9.2e-90:421:99//Hs.118317:AI033259
 R-HEMBB1002550//ESTs, Weakly similar to similar to S. cerevisiae LAG1 [C.elegans]//5.1e-22:210:81//Hs.11896:T68813
 R-HEMBB1002556//ISLET AMYLOID POLYPEPTIDE PRECURSORY//1.9e-45:344:82//Hs.51048:X68830
 R-HEMBB1002579//ESTs//4.6e-47:326:85//Hs.155184:AA573189
- 25 R-HEMBB1002582//ESTs//0.00036:91:76//Hs.140039:AA047045
 R-HEMBB1002590//ESTs//1.0e-37:210:84//Hs.36658:N91138
 R-HEMBB1002596//Human mRNA for KIAA0118 gene, partial cds//2.2e-46:297:87//Hs.154326:D42087
 R-HEMBB1002600//EST//2.5e-17:147:84//Hs.121918:AA777424
 R-HEMBB1002601//ESTs//7.8e-68:358:95//Hs.101489:R66923
- 30 R-HEMBB1002603//EST//1.1e-47:281:90//Hs.149580:AI281881
 R-HEMBB1002607//ESTs//5.4e-75:379:97//Hs.29438:H42896
 R-HEMBB1002610//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//6.2e-07:140:70//Hs.155456:AA707265
 R-HEMBB1002613//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0508//8.5e-47:278:83//Hs.159187:AB007977
- 35 R-HEMBB1002614//ESTs//3.4e-81:383:99//Hs.13012:AI094150
 R-HEMBB1002617//Homo sapiens protease-activated receptor 4 mRNA, complete cds//7.4e-19:151:80//Hs.137574:AF055917
 R-HEMBB1002623//ESTs//1.6e-45:288:87//Hs.138852:AA284247
 R-HEMBB1002635//Small inducible cytokine A5 (RANTES)//5.5e-39:278:81//Hs.155464:AF088219
- 40 R-HEMBB1002664//EST//8.9e-49:315:87//Hs.149580:AI281881
 R-HEMBB1002677//ESTs//0.65:159:62//Hs.163517:AI419775
 R-HEMBB1002683//H.sapiens mRNA for delta 4-3-oxosteroid 5 beta-reductase//8.6e-54:543:75//Hs.2638:Z28339
- 45 R-HEMBB1002684//ESTs//3.0e-18:148:87//Hs.158270:AA776646
 R-HEMBB1002686//ESTs//6.1e-80:419:96//Hs.103002:W02753
 R-HEMBB1002692//ESTs//3.3e-58:451:82//Hs.141254:AI334099
 R-HEMBB1002697//ESTs//6.2e-86:423:98//Hs.129812:AA769487
 R-HEMBB1002699//EST//5.6e-46:322:84//Hs.140231:AI054398
- 50 R-HEMBB1002702//ESTs//5.6e-36:412:72//Hs.154993:AA142842
 R-HEMBB1002705//POLYPOSIS LOCUS PROTEIN 1//0.024:412:58//Hs.74648:M73547
 R-HEMBB1002712//ESTs//9.0e-96:451:99//Hs.136806:AA805682
 R-MAMMA1000009//ESTs//3.0e-78:392:96//Hs.163947:AA678701
 R-MAMMA1000019//Small inducible cytokine A5 (RANTES)//1.5e-47:247:87//Hs.155464:AF088219
- 55 R-MAMMA1000020//Zinc finger protein 2 (A1-5)//4.9e-49:384:80//Hs.155533:X60152
 R-MAMMA1000025//Homo sapiens KIAA0441 mRNA, complete cds//4.7e-11:154:71//Hs.32511:AB007901
 R-MAMMA1000043//Homo sapiens mRNA for KIAA0761 protein, partial cds//2.0e-58:277:84//Hs.93121:AB018304

EP 1 074 617 A2

R-MAMMA1000045//ESTs//1.0e-38:225:92//Hs.142567:AA287165
 R-MAMMA1000055//EST//0.14:91:67//Hs.144061:AA996350
 R-MAMMA1000057//Fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, Bombay phenotype included)//3.8e-77:545:83//Hs.69747:M35531
 5 R-MAMMA1000069//ESTs//8.0e-108:546:96//Hs.44856:N37065
 R-MAMMA1000084//Homo sapiens clone 23632 mRNA sequence//7.3e-43:313:83//Hs.46918:AF052099
 R-MAMMA1000085//ESTs, Highly similar to PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C [Schizosaccharomyces pombe]//7.7e-104:546:94//Hs.7779:AA045241
 R-MAMMA1000092//EST, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.2e-
 10 22:287:71//Hs.136063:U51713
 R-MAMMA1000103//LOW-DENSITY LIPOPROTEIN RECEPTOR PRECURSOR//8.4e-49:334:86//Hs.70008:L00352
 R-MAMMA1000117//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.1e-08:96:80//Hs.115088:AA230172
 15 R-MAMMA1000129//EST//2.8e-64:310:99//Hs.136394:AA523577
 R-MAMMA1000133
 R-MAMMA1000134//ESTs//1.1e-21:152:87//Hs.163747:AA174017
 R-MAMMA1000139//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//6.3e-40:288:78//Hs.159897:AB007970
 20 R-MAMMA1000143//EST//5.0e-52:314:89//Hs.149580:AI281881
 R-MAMMA1000155//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//1.5e-59:562:75//Hs.77579:AF013263
 R-MAMMA1000163//ESTs//2.8e-92:457:96//Hs.114413:AA884787
 R-MAMMA1000171//Homo sapiens mRNA for putative lipoic acid synthetase, partial//2.5e-39:173:83//Hs.53531:AJ224162
 25 R-MAMMA1000173//ESTs, Highly similar to SRC SUBSTRATE P80/85 PROTEINS [Gallus gallus]//2.4e-07:63:90//Hs.90367:AI357069
 R-MAMMA1000175//EST//0.66:217:58//Hs.146444:AI127611
 R-MAMMA1000183//ESTs//6.7e-30:341:73//Hs.125254:AA872054
 30 R-MAMMA1000198//EST//2.8e-45:185:88//Hs.149580:AI281881
 R-MAMMA1000221//ESTs, Weakly similar to circadian clock protein [M.musculus]//1.4e-41:272:90//Hs.68398:AA421103
 R-MAMMA1000227//EST//2.4e-39:388:76//Hs.144175:H70425
 R-MAMMA1000241//EST//0.0027:263:61//Hs.37532:H57946
 35 R-MAMMA1000251//Homo sapiens mRNA for KIAA0772 protein, complete cds//5.3e-47:322:86//Hs.15519:AB018315
 R-MAMMA1000254//Homo sapiens tumor necrosis factor superfamily member LIGHT mRNA, complete cds//2.2e-43:315:83//Hs.129708:AF064090
 R-MAMMA1000257//EST//1.6e-62:330:93//Hs.141728:W73041
 40 R-MAMMA1000264//Von Hippel-Lindau syndrome//2.3e-31:141:81//Hs.78160:AF010238
 R-MAMMA1000266//ESTs//3.4e-34:150:81//Hs.163980:AA715814
 R-MAMMA1000270//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0508//2.7e-57:304:78//Hs.159187:AB007977
 R-MAMMA1000277//Thiopurine S-methyltransferase//3.7e-27:380:71//Hs.51124:AF019369
 45 R-MAMMA1000278//ESTs//5.2e-99:504:95//Hs.8494:W72694
 R-MAMMA1000279//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//3.1e-58:295:83//Hs.92381:AB007956
 R-MAMMA1000284//EST//4.1e-10:151:73//Hs.60742:AA017066
 R-MAMMA1000287
 50 R-MAMMA1000302//Homo sapiens KIAA0432 mRNA, complete cds//1.0:50:84//Hs.155174:AB007892
 R-MAMMA1000307//Human mRNA for KIAA0033 gene, partial cds//1.8e-48:468:76//Hs.22271:D26067
 R-MAMMA1000309//ESTs//1.7e-94:491:94//Hs.135106:AI335251
 R-MAMMA1000312//ESTs//8.9e-74:377:96//Hs.133163:AI051434
 R-MAMMA1000313//EST//8.3e-19:294:62//Hs.127400:AA954491
 55 R-MAMMA1000331//ESTs, Moderately similar to envelope protein [H.sapiens]//8.6e-54:278:97//Hs.139170:AA662998
 R-MAMMA1000339//EST//6.8e-44:169:89//Hs.149580:AI281881
 R-MAMMA1000340//Homo sapiens mRNA for KIAA0625 protein, partial cds//0.82:204:61//Hs.154919:AB014525

- R-MAMMA1000348//ESTs//3.3e-34:320:75//Hs.139158:AA226159
 R-MAMMA1000356//ESTs, Highly similar to URIDYLATE KINASE [Saccharomyces cerevisiae]//0.42:172:61//Hs.11463:AA535912
 R-MAMMA1000360//Human mRNA for KIAA0118 gene, partial cds//3.8e-43:212:82//Hs.154326:D42087
 5 R-MAMMA1000361//ESTs//3.1e-17:188:68//Hs.164036:AA845659
 R-MAMMA1000372//ESTs//1.0e-46:307:85//Hs.145032:AA343523
 R-MAMMA1000385//ESTs//8.2e-97:467:98//Hs.152282:AA412065
 R-MAMMA1000388//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds//8.6e-14:106:92//Hs.32170:AB015132
 10 R-MAMMA1000395//ESTs//1.9e-57:292:96//Hs.11365:AB01060
 R-MAMMA1000402//ESTs, Moderately similar to RETROVIRUS-RELATED POL POLYPROTEIN [Mus musculus]//9.1e-47:316:81//Hs.138698:N38973
 R-MAMMA1000410//Archain//1.8e-40:443:74//Hs.33642:X81198
 R-MAMMA1000413//Homo sapiens mRNA for KIAA0792 protein, complete cds//1.3e-27:304:72//Hs.119387:
 15 AB007958
 R-MAMMA1000414//ESTs//2.9e-27:181:87//Hs.141254:AI334099
 R-MAMMA1000416//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//1.5e-58:282:82//Hs.97203:U83171
 R-MAMMA1000421//Thromboxane A2 receptor//4.9e-48:372:80//Hs.89887:D38081
 20 R-MAMMA1000422//ESTs//0.077:240:62//Hs.123136:AA631067
 R-MAMMA1000423//Human mRNA for KIAA0392 gene, partial cds//1.3e-48:375:81//Hs.40100:AB002390
 R-MAMMA1000424//Human melanoma antigen recognized by T-cells (MART-1) mRNA//1.4e-44:418:75//Hs.154069:U06452
 R-MAMMA1000429//ESTs//3.9e-113:565:96//Hs.5076:N53461
 25 R-MAMMA1000431//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//8.6e-68:302:85//Hs.97203:U83171
 R-MAMMA1000444//Calcium modulating ligand//5.5e-44:344:81//Hs.13572:AF068179
 R-MAMMA1000446//ESTs//1.0:236:60//Hs.126958:AI147447
 R-MAMMA1000458
 30 R-MAMMA1000468//ESTs//4.4e-51:271:96//Hs.6839:AA055176
 R-MAMMA1000472//ESTs//5.4e-39:146:86//Hs.141581:AA315361
 R-MAMMA1000478//ESTs//2.3e-74:365:98//Hs.140591:AA828959
 R-MAMMA1000483//ESTs//9.9e-23:235:75//Hs.163592:AA280886
 R-MAMMA1000490//EST//2.1e-80:500:87//Hs.142137:AA213759
 35 R-MAMMA1000500//Small inducible cytokine A5 (RANTES)//4.7e-43:283:86//Hs.155464:AF088219
 R-MAMMA1000501//ESTs//4.2e-37:250:86//Hs.141323:N80390
 R-MAMMA1000516//Human mRNA for KIAA0392 gene, partial cds//5.1e-46:459:75//Hs.40100:AB002390
 R-MAMMA1000522//ESTs//9.5e-16:226:70//Hs.116673:AA669267
 R-MAMMA1000559//ESTs//5.2e-34:244:84//Hs.150727:AI292236
 40 R-MAMMA1000565//EST//2.7e-38:386:76//Hs.162404:AA573131
 R-MAMMA1000567//EST//0.33:49:79//Hs.147754:AI220561
 R-MAMMA1000576//ESTs//4.9e-57:348:89//Hs.108921:N31211
 R-MAMMA1000583//Homo sapiens KIAA0412 mRNA, partial cds//1.3e-52:373:77//Hs.6200:AB007872
 R-MAMMA1000585//ESTs//5.1e-40:337:78//Hs.130815:AA936548
 45 R-MAMMA1000594//Small inducible cytokine A5 (RANTES)//3.0e-45:225:80//Hs.155464:AF088219
 R-MAMMA1000597//ESTs//2.0e-98:461:99//Hs.43212:AA993042
 R-MAMMA1000605//CD4 receptor {exons 1 and 2} [human, T-lymphocyte, mRNA, 3429 nt]//1.5e-50:500:73//Hs.116007:S79267
 R-MAMMA1000612//ESTs, Highly similar to HYPOTHETICAL TRP-ASP REPEATS CONTAINING PROTEIN IN
 50 SIS1-MRPL2 INTERGENIC REGION [Saccharomyces cerevisiae]//8.6e-108:559:94//Hs.29203:AI344105
 R-MAMMA1000616//EST//0.071:169:60//Hs.144096:AI032180
 R-MAMMA1000621//ESTs//1.0e-90:477:94//Hs.26073:R96361
 R-MAMMA1000623
 R-MAMMA1000625//ESTs//3.4e-98:556:91//Hs.119482:AI361002
 55 R-MAMMA1000643//EST//4.9e-74:379:96//Hs.137447:AA342203
 R-MAMMA1000664//Homo sapiens mRNA for putative lipoic acid synthetase, partial//3.2e-43:400:76//Hs.53531:
 AJ224162
 R-MAMMA1000669//EST//6.9e-53:368:84//Hs.149580:AI281881

R-MAMMA1000670//ESTs, Highly similar to HYPOTHETICAL PROTEIN IN TONB 3'REGION [Klebsiella pneumoniae]/8.4e-98:464:98//Hs.31431:AI022065
 R-MAMMA1000672//ESTs/2.0e-80:382:99//Hs.106747:AI080476
 R-MAMMA1000684//ESTs/6.2e-72:357:98//Hs.67896:AA865212
 5 R-MAMMA1000696//Human mRNA for KIAA0345 gene, complete cds/3.3e-52:216:75//Hs.98938:AB002343
 R-MAMMA1000707//EST/7.0e-11:195:68//Hs.147002:AI184644
 R-MAMMA1000713//Homo sapiens DEC-205 mRNA, complete cds/1.5e-45:485:74//Hs.153563:AF011333
 R-MAMMA1000714//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]/1.2e-29:158:79//Hs.142764:AA205569
 10 R-MAMMA1000718//ESTs/3.1e-45:264:88//Hs.152413:AA780515
 R-MAMMA1000720//ESTs/7.4e-44:244:87//Hs.111742:R39329
 R-MAMMA1000723//Homo sapiens mRNA for alpha(l,2)fucosyltransferase, complete cds/5.6e-52:350:82//Hs.46328:D87942
 R-MAMMA1000731//ESTs/1.1e-19:420:66//Hs.35036:H95267
 15 R-MAMMA1000732//EST/2.9e-20:229:74//Hs.135400:AI056893
 R-MAMMA1000733//ESTs, Weakly similar to HYPOTHETICAL 92.1 KD PROTEIN ZK1098.3 IN CHROMOSOME III [Caenorhabditis elegans]/1.2e-35:371:74//Hs.141429:AA631915
 R-MAMMA1000734//Homo sapiens SEC63 (SEC63) mRNA, complete cds/2.1e-58:253:98//Hs.31575:AF100141
 R-MAMMA1000738//ESTs, Weakly similar to similar to Achlya ambisexualis antheridiol steroid receptor [C.elegans]/2.3e-116:557:98//Hs.71472:AA632288
 20 R-MAMMA1000744//ESTs/0.015:143:67//Hs.135382:AI224205
 R-MAMMA1000746//Human Line-1 repeat mRNA with 2 open reading frames/2.3e-90:568:86//Hs.23094:M19503
 R-MAMMA1000752//Interleukin 10/2.8e-43:339:80//Hs.2180:M57627
 R-MAMMA1000760//EST/5.0e-44:306:86//Hs.162404:AA573131
 25 R-MAMMA1000761//EST/5.0e-41:187:85//Hs.162335:AA564256
 R-MAMMA1000775//Human mRNA for KIAA0355 gene, complete cds/3.0e-46:465:76//Hs.153014:AB002353
 R-MAMMA1000776//ESTs/1.9e-43:429:73//Hs.141742:W22204
 R-MAMMA1000778//ESTs/1.8e-31:445:70//Hs.111723:H57439
 R-MAMMA1000782//EST/0.0019:102:68//Hs.120686:AA747150
 30 R-MAMMA1000798//ESTs/1.4e-13:267:69//Hs.140156:AA704163
 R-MAMMA1000802//Clathrin, light polypeptide (Lcb)/1.5e-45:358:76//Hs.73919:X81637
 R-MAMMA1000831//ESTs/1.3e-1,04:510:97//Hs.17494:AA572675
 R-MAMMA1000839//EST/2.9e-51:307:89//Hs.149580:AI281881
 R-MAMMA1000841//ESTs/1.3e-34:412:72//Hs.121256:AA757902
 35 R-MAMMA1000842//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]/9.4e-44:363:79//Hs.96337:AA225358
 R-MAMMA1000843//ESTs/2.2e-106:525:97//Hs.152016:AA603097
 R-MAMMA1000845//ESTs/1.6e-66:327:98//Hs.156900:AA468955
 R-MAMMA1000851//ESTs/3.7e-14:115:86//Hs.140590:R76251
 40 R-MAMMA1000855//Human mRNA for KIAA0392 gene, partial cds/5.7e-47:281:91//Hs.40100:AB002390
 R-MAMMA1000856//EST/1.8e-16:150:79//Hs.136811:AA789212
 R-MAMMA1000862//EST/3.2e-05:93:73//Hs.161205:AI419311
 R-MAMMA1000863//ESTs/1.0e-46:446:73//Hs.153432:AA098922
 R-MAMMA1000865//Homo sapiens clone 23632 mRNA sequence/3.0e-39:324:80//Hs.46918:AF052099
 45 R-MAMMA1000867//ESTs/9.8e-16:193:76//Hs.152340:AA521399
 R-MAMMA1000875//EST/3.1e-24:301:72//Hs.132635:AI032875
 R-MAMMA1000876//ESTs/9.9e-48:246:97//Hs.112165:AA621243
 R-MAMMA1000877//ESTs/1.4e-38:324:79//Hs.141024:H07128
 R-MAMMA1000880//Homo sapiens mRNA for KIAA0594 protein, partial cds/3.2e-40:542:68//Hs.154872:AB011166
 50 R-MAMMA1000883//ESTs/1.0:207:60//Hs.47199:N51107
 R-MAMMA1000897//ESTs/2.6e-78:383:97//Hs.41067:AI310215
 R-MAMMA1000905//Human mRNA for KIAA0331 gene, complete cds/9.7e-53:307:91//Hs.146395:AB002329
 R-MAMMA1000906//ESTs/8.0e-25:206:83//Hs.141825:AA017093
 55 R-MAMMA1000908//ESTs/4.4e-32:176:96//Hs.38559:AA701634
 R-MAMMA1000914//ESTs/0.032:150:63//Hs.119162:AA399989
 R-MAMMA1000921//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, complete cds/7.7e-38:269:74//Hs.108966:U48696

EP 1 074 617 A2

R-MAMMA1000931//ESTs//1.2e-80:457:91//Hs.122319:AA782335
 R-MAMMA1000940//ESTs//3.3e-43:329:82//Hs.35254:AI133727
 R-MAMMA1000941//ESTs//7.5e-55:306:84//Hs.163936:AA632281
 R-MAMMA1000942//ESTs//2.5e-83:405:98//Hs.116491:AA650428
 5 R-MAMMA1000943//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//9.3e-79:567:80//Hs.1361:M55053
 R-MAMMA1000956//EST//5.7e-53:256:100//Hs.162209:AA536178
 R-MAMMA1000957//Kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))//7.5e-49:340:85//Hs.103458:X53795
 10 R-MAMMA1000962//Homo sapiens mRNA for KIAA0575 protein, complete cds//2.0e-48:216:85//Hs.153468:AB011147
 R-MAMMA1000968//EST//6.2e-46:302:86//Hs.149580:AI281881
 R-MAMMA1000975//ESTs//1.4e-85:428:96//Hs.141742:W22204
 R-MAMMA1000979//Homo sapiens mRNA for KIAA0761 protein, partial cds//8.0e-39:338:79//Hs.93121:AB018304
 15 R-MAMMA1000987//EST//2.8e-41:249:90//Hs.149580:AI281881
 R-MAMMA1000998//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//3.9e-50:445:77//Hs.77579:AF013263
 R-MAMMA1001003//Sialophorin (gpL115, leukosialin, CD43)//4.1e-51:282:82//Hs.80738:X52075
 20 R-MAMMA1001008//ESTs, Weakly similar to renin [H.sapiens]//1.9e-82:405:97//Hs.25863:AA630313
 R-MAMMA1001021//Homo sapiens DEC-205 mRNA, complete cds//3.0e-44:309:86//Hs.153563:AF011333
 R-MAMMA1001024//ESTs//6.8e-35:333:78//Hs.107657:AA126814
 R-MAMMA1001030//ESTs//1.6e-110:552:96//Hs.59483:AA524536
 R-MAMMA1001035//ESTs//1.0e-45:273:85//Hs.138856:H47461
 25 R-MAMMA1001038//Human mRNA for KIAA0392 gene, partial cds//3.0e-50:298:91//Hs.40100:AB002390
 R-nnnnnnnnnnnn//ESTs//3.6e-86:445:95//Hs.122625:R68650
 R-MAMMA1001050//EST//2.2e-54:387:85//Hs.149580:AI281881
 R-MAMMA1001059//ESTs, Moderately similar to RNA helicase [M.musculus]//1.7e-13:273:65//Hs.98738:AI015487
 30 R-MAMMA1001067//ESTs//1.3e-38:324:78//Hs.20190:AA525532
 R-MAMMA1001073//ESTs//5.2e-106:554:94//Hs.12336:W63748
 R-MAMMA1001074//Human mRNA for KIAA0355 gene, complete cds//1.2e-38:544:68//Hs.153014:AB002353
 R-MAMMA1001075//ESTs//2.0e-98:463:99//Hs.18341:N38944
 R-MAMMA1001078//Human Line-1 repeat mRNA with 2 open reading frames//1.7e-84:556:85//Hs.23094:M19503
 35 R-MAMMA1001082//ESTs//2.4e-71:356:97//Hs.152302:T90222
 R-MAMMA1001091//ESTs//4.7e-83:429:95//Hs.154412:AA310926
 R-MAMMA1001092//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds//6.4e-34:262:82//Hs.129727:AF035587
 R-MAMMA1001105//Human putative RNA binding protein RNPL mRNA, complete cds//4.2e-27:232:76//Hs.61840:U28686
 40 R-MAMMA1001110//ESTs//1.6e-17:128:87//Hs.161314:AI421576
 R-MAMMA1001126//CD4 receptor {exons 1 and 2} [human, T-lymphocyte, mRNA, 3429 nt]//8.8e-53:462:78//Hs.116007:S79267
 R-MAMMA1001133//Homo sapiens tapasin (NGS-17) mRNA, complete cds//1.8e-59:460:81//Hs.5247:AF029750
 45 R-MAMMA1001139//ESTs//1.3e-62:341:94//Hs.18819:R01029
 R-MAMMA1001143//ESTs//3.0e-48:383:80//Hs.152340:AA521399
 R-MAMMA1001145//Calcium modulating ligand//5.1e-48:403:79//Hs.13572:AF068179
 R-MAMMA1001154//EST//6.8e-35:313:75//Hs.162404:AA573131
 R-MAMMA1001161//Homo sapiens tapasin (NGS-17) mRNA, complete cds//1.1e-58:409:84//Hs.5247:AF029750
 50 R-MAMMA1001162//ESTs, Highly similar to t-BOP [M.musculus]//2.1e-91:430:99//Hs.129982:AI420970
 R-MAMMA1001181//ESTs//5.0e-112:557:96//Hs.118181:W02251
 R-MAMMA1001186//ESTs//3.8e-85:410:99//Hs.163811:W44959
 R-MAMMA1001191//ESTs//0.018:57:87//Hs.141253:AA226519
 R-MAMMA1001198//ESTs, Weakly similar to involved in signaling by the epidermal growth factor receptor [M.musculus]//2.6e-80:358:96//Hs.163827:AA074202
 55 R-MAMMA1001202//ESTs//7.0e-43:230:95//Hs.79788:AA527348
 R-MAMMA1001203//Clathrin, light polypeptide (Lcb)//2.8e-65:348:79//Hs.73919:X81637
 R-MAMMA1001206//EST//0.098:84:72//Hs.162941:AA635148

R-MAMMA1001215//ESTs//1.3e-43:156:86//Hs.155243:N70293
 R-MAMMA1001220//ESTs//8.9e-17:276:68//Hs.116518:AA653202
 R-MAMMA1001222//ESTs//0.49:112:66//Hs.24668:AA897315
 R-MAMMA1001243//EST//0.99:143:62//Hs.68522:C20701
 5 R-MAMMA1001244//ESTs//2.2e-06:79:83//Hs.123163:AA809619
 R-MAMMA1001249//ESTs//4.2e-68:343:97//Hs.147139:AI191307
 R-MAMMA1001256//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]//4.7e-31:221:77//Hs.142764:AA205569
 R-MAMMA1001259//ESTs//1.3e-43:266:90//Hs.6193:AA045149
 10 R-MAMMA1001260//Homo sapiens mRNA for KIAA0661 protein, complete cds//2.0e-21:226:75//Hs.65238:AB014561
 R-MAMMA1001268//H.sapiens HCG II mRNA//2.4e-53:181:85//Hs.146333:X81001
 R-MAMMA1001271//ESTs, Highly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK [Mus musculus]//1.1e-108:546:95//Hs.18999:N30643
 15 R-MAMMA1001274//Homo sapiens mRNA for KIAA0572 protein, partial cds//4.4e-32:188:94//Hs.14409:AB011144
 R-MAMMA1001280//EST//0.0015:170:62//Hs.116770:AA630371
 R-MAMMA1001292//ESTs//5.6e-102:481:99//Hs.94810:AA811876
 R-MAMMA1001296//Homo sapiens mRNA for KIAA0563 protein, complete cds//2.2e-27:348:70//Hs.15731:AB011135
 20 R-MAMMA1001298//ESTs//1.4e-44:375:79//Hs.70279:AA757426
 R-MAMMA1001305//Human G protein-coupled receptor (STRL22) mRNA, complete cds//4.0e-43:300:85//Hs.46468:U45984
 R-MAMMA1001322//Homo sapiens stress-activated protein kinase 4 mRNA, complete cds//8.8e-12:188:70//Hs.55771:AF004709
 25 R-MAMMA1001324//ESTs//5.3e-68:297:88//Hs.121228:AA709471
 R-MAMMA1001330//ESTs//1.6e-57:429:83//Hs.70279:AA757426
 R-MAMMA1001341//Homo sapiens 4F5S mRNA, complete cds//4.8e-27:285:75//Hs.32567:AF073519
 R-MAMMA1001343//ESTs//8.1e-51:273:93//Hs.162208:AA536127
 30 R-MAMMA1001346//ESTs//1.0:122:65//Hs.33028:AA482478
 R-MAMMA1001383//ESTs//1.4e-45:377:80//Hs.114671:N39322
 R-MAMMA1001388//EST//7.7e-47:361:80//Hs.162197:AA535216
 R-MAMMA1001397//EST//8.7e-48:337:83//Hs.149580:AI281881
 R-MAMMA1001408//EST//1.2e-38:251:87//Hs.162677:AA604831
 35 R-MAMMA1001411//ESTs//4.3e-93:435:99//Hs.105460:AA780275
 R-MAMMA1001419//Homo sapiens translation initiation factor 4e mRNA, complete cds//1.6e-19:117:96//Hs.19122:AF038957
 R-MAMMA1001420//ESTs//7.3e-96:507:95//Hs.55299:AI335267
 R-MAMMA1001435//ESTs//5.0e-97:459:99//Hs.144843:AI222168
 40 R-MAMMA1001442//ESTs//7.1e-28:167:83//Hs.141019:AA287618
 R-MAMMA1001446//Homo sapiens KIAA0432 mRNA, complete cds//6.2e-19:328:67//Hs.155174:AB007892
 R-MAMMA1001452//EST//5.6e-44:487:75//Hs.161476:N57542
 R-MAMMA1001465
 R-MAMMA1001476//Homo sapiens yolk sac permease-like molecule 3 (YSPL3) mRNA, complete cds//0.79:182:66//Hs.136529:AF058317
 45 R-MAMMA1001487//Homo sapiens KIAA0395 mRNA, partial cds//1.1e-35:328:78//Hs.43681:AL022394
 R-MAMMA1001501//ESTs//4.6e-100:472:98//Hs.123660:AA813065
 R-MAMMA1001502//Human mRNA for KIAA0080 gene, partial cds//5.6e-15:220:69//Hs.74554:D38522
 R-MAMMA1001510
 50 R-MAMMA1001522//ESTs//3.2e-16:214:75//Hs.152816:AA634242
 R-MAMMA1001547//H.sapiens mRNA for urea transporter//2.3e-45:282:89//Hs.66710:X96969
 R-MAMMA1001551//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, complete cds//1.9e-56:489:76//Hs.108966:U48696
 R-MAMMA1001575//ESTs//4.3e-92:440:98//Hs.162882:AA807140
 55 R-MAMMA1001576//ESTs, Highly similar to TUBULIN GAMMA CHAIN [Homo sapiens]//1.9e-111:549:96//Hs.21635:AI417305
 R-MAMMA1001590//ESTs//1.1e-63:324:96//Hs.142217:AA278441
 R-MAMMA1001600//ESTs//5.6e-15:159:78//Hs.138633:H98792

EP 1 074 617 A2

R-MAMMA1001604
R-MAMMA1001606//ESTs, Weakly similar to finger protein kox1 [H.sapiens]/1.9e-97:488:96//Hs.143263:AI057616
R-MAMMA1001620//Homo sapiens mRNA, clone:RES4-16//5.4e-43:408:76//Hs.121493:D25272
5 R-MAMMA1001627//Homo sapiens mRNA for KIAA0772 protein, complete cds//2.0e-49:472:76//Hs.15519:AB018315
R-MAMMA1001630//ESTs, Weakly similar to putative p150 [H.sapiens]/6.8e-15:168:73//Hs.115216:AA291074
R-MAMMA1001633//EST//5.1e-14:228:68//Hs.141456:N36377
R-MAMMA1001635//ESTs//3.4e-37:368:75//Hs.164033:AA769606
10 R-MAMMA1001649
R-MAMMA1001663//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//1.7e-54:272:81//Hs.129735:AF010144
R-MAMMA1001670//Small inducible cytokine A5 (RANTES)//5.7e-50:304:89//Hs.155464:AF088219
R-MAMMA1001671//EST//1.9e-14:312:65//Hs.137153:R46248
15 R-MAMMA1001679//H.sapiens mRNA for rho GDP-dissociation Inhibitor 1//0.066:196:62//Hs.159161:X69550
R-MAMMA1001683//ESTs//4.9e-94:447:98//Hs.134464:AI151081
R-MAMMA1001686//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//1.0e-17:246:73//Hs.67619:AB007957
R-MAMMA1001692//Human mRNA for KIAA0063 gene, complete cds//2.1e-47:294:89//Hs.3094:D31884
20 R-MAMMA1001711//ESTs//2.4e-86:439:96//Hs.18498:N52088
R-MAMMA1001715//ESTs//1.2e-73:399:9311Hs.124620:AI082338
R-MAMMA1001730//ESTs//1.1e-85:403:99//Hs.125464:AI084596
R-MAMMA1001735//ESTs, Highly similar to TUBULIN BETA-5 CHAIN [Gallus gallus]/3.7e-110:552:96//Hs.6923:AI161158
25 R-MAMMA1001740//ESTs//4.6e-45:342:82//Hs.37573:H59651
R-MAMMA1001743//EST//2.7e-58:412:85//Hs.149742:AI285666
R-MAMMA1001744
R-MAMMA1001745//EST//5.6e-54:374:84//Hs.137041:AA877817
R-MAMMA1001751//EST//3.5e-36:375:73//Hs.139715:N25041
30 R-MAMMA1001754//EST//0.18:144:66//Hs.71957:AA151413
R-MAMMA1001757//ESTs//1.0e-9:8:488:96//Hs.45184:C14904
R-MAMMA1001760//ESTs//8.7e-29:206:86//Hs.143310:AI142276
R-MAMMA1001764//ESTs//0.00012:434:58//Hs.120051:AA707847
R-MAMMA1001768//Human mRNA for KIAA0327 protein, complete cds//2.3e-41:299:85//Hs.149323:AB002325
35 R-MAMMA1001769//EST//1.7e-15:139:81//Hs.162399:AA572825
R-MAMMA1001771//ESTs, Moderately similar to semaphorin B [M.musculus]/7.6e-43:257:91//Hs.7634:AA481246
R-MAMMA1001783//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//5.6e-42:272:86//Hs.73614:U83460
40 R-MAMMA1001785//ESTs//1.5e-87:431:98//Hs.131065:AA972238
R-MAMMA1001788//EST//0.95:108:62//Hs.145881:AI274644
R-MAMMA1001790//ESTs//4.0e-41:340:80//Hs.158045:AA425744
R-MAMMA1001806//EST//1.4e-40:297:84//Hs.141240:H60313
R-MAMMA1001812//ESTs//2.4e-93:446:98//Hs.129034:AA776892
45 R-MAMMA1001815//EST//0.00053:371:59//Hs.133255:AI052659
R-MAMMA1001817//Human mRNA for KIAA0226 gene, complete cds//2.1e-46:325:87//Hs.44106:D86979
R-MAMMA1001818
R-MAMMA1001820//EST//1.9e-49:303:89//Hs.149580:AI281881
R-MAMMA1001824//Homo sapiens 4F5S mRNA, complete cds//4.3e-48:438:75//Hs.32567:AF073519
50 R-MAMMA1001836//ESTs//3.8e-06:128:71//Hs.143611:M78140
R-MAMMA1001837//Homo sapiens KIAA0395 mRNA, partial cds//3.8e-47:339:83//Hs.43681:AL022394
R-MAMMA1001848//ESTs//2.1e-16:125:85//Hs.161662:AA836811
R-MAMMA1001851//ESTs//4.5e-48:344:84//Hs.138856:H47461
R-MAMMA1001854//Small inducible cytokine A5 (RANTES)//2.6e-38:280:83//Hs.155464:AF088219
55 R-MAMMA1001858//ESTs//1.1e-44:331:83//Hs.44702:AI148840
R-MAMMA1001864//Homo sapiens mRNA for KIAA0475 protein, complete cds//7.8e-31:262:77//Hs.5737:AB007944
R-nnnnnnnnnnnnn//Homo sapiens antigen NY-CO-16 mRNA, complete cds//9.2e-06:450:58//Hs.132206:

AF039694
 R-MAMMA1001874//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//4.9e-46:332:83//
 Hs.73614:U83460
 R-MAMMA1001878//Cytochrome P450, 51 (lanosterol 14-alpha-demethylase)//1.2e-46:429:78//Hs.2379:U23942
 5 R-MAMMA1001880//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//7.6e-
 26:230:79//Hs.106008:AA147606
 R-MAMMA1001890//ESTs//1.1e-39:338:79//Hs.146811:AA410788
 R-MAMMA1001907//Kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen,
 antigen detected by monoclonal and antibody IA4))//6.7e-47:283:89//Hs.103458:X53795
 10 R-nnnnnnnnnnnn//ESTs//0.043:134:65//Hs.145333:AI251374
 R-MAMMA1001931//ESTs//1.8e-75:361:99//Hs.148125:AA693801
 R-MAMMA1001956//Homo sapiens mRNA for KIAA0706 protein, complete cds//1.4e-18:174:77//Hs.139648:
 AB014606
 R-MAMMA1001963//ESTs//6.7e-28:206:84//Hs.163254:AA828790
 15 R-MAMMA1001969//ESTs, Weakly similar to hypothetical protein [H.sapiens]//6.7e-24:331:71//Hs.140506:
 AA308018
 R-MAMMA1001970//ESTs//8.9e-61:286:84//Hs.141575:AA211734
 R-MAMMA1001992//ESTs//4.4e-43:339:82//Hs.155498:W27084
 R-MAMMA1002009//Small inducible cytokine A5 (RANTES)//4.6e-24:330:70//Hs.155464:AF088219
 20 R-MAMMA1002011//ESTs//9.5e-72:360:97//Hs.13525:R39054
 R-MAMMA1002032//Human melanoma antigen recognized by T-cells (MART-1) mRNA//3.7e-45:370:80//Hs.
 154069:U06452
 R-MAMMA1002033//EST//4.6e-23:264:74//Hs.161917:AA483223
 R-MAMMA1002041//ESTs//3.8e-100:465:100//Hs.141361:AI206412
 25 R-MAMMA1002042//Homo sapiens 4F5S mRNA, complete cds//1.1e-43:407:76//Hs.32567:AF073519
 R-MAMMA1002047//Homo sapiens mRNA for chemokine LEC precursor, complete cds//1.9e-37:316:74//Hs.
 10458:AF088219
 R-MAMMA1002056//EST//1.3e-51:310:90//Hs.149580:AI281881
 R-MAMMA1002058//ESTs//5.9e-16:135:84//Hs.95807:AA146979
 30 R-MAMMA1002068//ESTs, Weakly similar to HYPOTHETICAL 43.3 KD PROTEIN IN QOXD-VPR INTERGENIC
 REGION [Bacillus subtilis]//4.0e-45:404:7811Hs/138596:N38806
 R-MAMMA1002078//EST//2.2e-15:207:71//Hs.132635:AI032875
 R-MAMMA1002082//Homo sapiens mRNA for TSC403 protein, complete cds//1.7e-42:314:83//Hs.10887:
 AB013924
 35 R-MAMMA1002084//Human mRNA for KIAA0392 gene, partial cds//3.7e-46:308:87//Hs.40100:AB002390
 R-MAMMA1002093//EST//0.89:213:60//Hs.151201:AI125907
 R-MAMMA1002108//ESTs//1.0e-95:515:93//Hs.29002:H11347
 R-MAMMA1002118
 R-MAMMA1002125//Thromboxane A2 receptor//7.2e-43:335:83//Hs.89887:D38081
 40 R-MAMMA1002132//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//1.4e-58:396:78//
 Hs.129735:AF010144
 R-MAMMA1002140//Homo sapiens nephrin (NPHS1) mRNA, complete cds//1.4e-37:422:75//Hs.128834:
 AF035835
 R-MAMMA1002143//ESTs//0.050:123:69//Hs.8231:AA152276
 45 R-MAMMA1002145//Homo sapiens KIAA0426 mRNA, complete cds//5.0e-21:371:69//Hs.97476:AB007886
 R-MAMMA1002153//ESTs//2.0e-31:159:77//Hs.130815:AA936548
 R-MAMMA1002155//Human Line-1 repeat mRNA with 2 open reading frames//8.7e-39:506:69//Hs.23094:M19503
 R-MAMMA1002156//Homo sapiens mRNA for putative lipoic acid synthetase, partial//2.9e-44:336:82//Hs.53531:
 AJ224162
 50 R-MAMMA1002158//ESTs//3.0e-40:313:83//Hs.118273:AA626040
 R-MAMMA1002170//Homo sapiens mRNA for TRAF5, complete cds//7.7e-37:370:77//Hs.29736:AB000509
 R-MAMMA1002174//ESTs//2.5e-16:186:75//Hs.141203:H52638
 R-MAMMA1002198//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//6.2e-51:318:82//Hs.
 92381:AB007956
 55 R-MAMMA1002209//ESTs//9.2e-34:111:88//Hs.141575:AA211734
 R-MAMMA1002215//ESTs//3.6e-101:530:94//Hs.26780:N50038
 R-MAMMA1002219//Homo sapiens mRNA for KIAA0640 protein, partial cds//5.2e-45:283:88//Hs.153026:
 AB014540

R-MAMMA1002230//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, complete cds//9.1e-50:330:77//Hs.108966:U48696
R-MAMMA1002236
R-MAMMA1002243
5 R-MAMMA1002250//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.2e-44:299:87//Hs.113283:AF018080
R-MAMMA1002267//Homo sapiens mRNA, chromosome 1 specific transcript
KIAA0487//1.6e-54:207:81//Hs.92381:AB007956
R-MAMMA1002268//ESTs//2.9e-94:439:100//Hs.68061:AI042283
R-MAMMA1002269//ESTs//7.4e-05:170:65//Hs.140466:AA766772
10 R-MAMMA1002282//ESTs//7.8e-09:69:78//Hs.159502:AA225141
R-MAMMA1002292//ESTs//5.3e-64:334:94//Hs.113606:AI138751
R-MAMMA1002293//ESTs, Moderately similar to plakophilin 2b [H.sapiens]//1.7e-39:203:81//Hs.154257:AI275982
R-MAMMA1002294//EST//8.1e-43:326:82//Hs.149580:AI281881
15 R-MAMMA1002297//ESTs//6.5e-45:323:83//Hs.155475:AA761454
R-MAMMA1002298//ESTs//1.7e-68:355:96//Hs.52683:H87153
R-MAMMA1002299//ESTs, Highly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//2.3e-58:346:91//Hs.140385:AA773359
R-MAMMA1002308
20 R-MAMMA1002310//Human melanoma antigen recognized by T-cells (MART-1) mRNA//2.2e-44:280:87//Hs.154069:U06452
R-MAMMA1002311//Human Line-1 repeat mRNA with 2 open reading frames//2.3e-70:503:81//Hs.23094:M19503
R-MAMMA1002312//EST//1.7e-31:144:80//Hs.135936:N36094
R-MAMMA1002317//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//4.3e-49:457:76//Hs.144563:
25 AF057280
R-MAMMA1002319//ESTs//3.9e-38:297:70//Hs.140326:AA827183
R-MAMMA1002322//ESTs//1.1e-46:301:86//Hs.155498:W27084
R-MAMMA1002329//EST//2.6e-09:146:72//Hs.132366:AI026658
R-MAMMA1002332//Homo sapiens clone 23892 mRNA sequence//2.6e-45:387:70//Hs.91916:AF035317
30 R-MAMMA1002333//EST//1.8e-09:139:74//Hs.137800:AA886897
R-MAMMA1002339//ESTs//4.2e-47:310:76//Hs.138865:W57618
R-MAMMA1002347//ESTs//1.5e-44:326:83//Hs.111723:H57439
R-MAMMA1002351//ESTs//3.0e-112:545:97//Hs.26209:AI143127
R-MAMMA1002352//Homo sapiens mRNA for leukemia associated gene 2//1.5e-58:259:92//Hs.43628:Y15228
35 R-MAMMA1002353//Human mRNA for KIAA0392 gene, partial cds//4.5e-40:360:77//Hs.40100:AB002390
R-MAMMA1002355//ESTs//1.4e-29:307:75//Hs.3769:AI085367
R-MAMMA1002356//Clathrin, light polypeptide (Lcb)//4.9e-31:217:88//Hs.73919:X81637
R-MAMMA1002359//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.1e-70:483:84//Hs.113283:AF018080
R-MAMMA1002360//ESTs//3.5e-19:301:69//Hs.124701:AA701475
40 R-MAMMA1002361//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds//2.6e-30:244:81//Hs.129727:AF035587
R-MAMMA1002362//ESTs//2.3e-43:241:88//Hs.150727:AI292236
R-MAMMA1002380//ESTs//5.1e-36:322:79//Hs.136994:AA843542
R-MAMMA1002384//Small inducible cytokine A5 (RANTES)//1.8e-42:298:84//Hs.155464:AF088219
45 R-MAMMA1002385//ESTs//0.57:203:63//Hs.146303:AA579061
R-MAMMA1002392//Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds//5.8e-41:305:83//Hs.86188:D87845
R-MAMMA1002411//ESTs//4.4e-68:385:92//Hs.53478:N92294
R-MAMMA1002413//Homo sapiens mRNA for small GTP-binding protein, complete cds//3.3e-14:138:75//Hs.115325:D84488
50 R-MAMMA1002417//ESTs//1.6e-98:475:98//Hs.96345:N22588
R-MAMMA1002427//ESTs//3.1e-39:274:79//Hs.141130:H28477
R-MAMMA1002428//ESTs//8.4e-11:215:66//Hs.141022:H06475
R-MAMMA1002434//ESTs, Moderately similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]//2.5e-106:521:98//Hs.112152:AA487348
55 R-MAMMA1002446//ESTs, Weakly similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//4.7e-37:374:68//Hs.157142:U85996
R-MAMMA1002454//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0485//2.0e-60:323:81//Hs.

89121:AB007954
 R-MAMMA1002461//ESTs//4.7e-111:548:97//Hs.104281:AA147076
 R-MAMMA1002470//ESTs, Highly similar to HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION [Saccharomyces cerevisiae]/8.5e-104:544:93//Hs.94570:AI192106
 5 R-MAMMA1002475//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]/3.4e-31:263:79//Hs.38687:AA744496
 R-MAMMA10024807//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]/1.0e-34:159:79//Hs.133526:N21103
 R-MAMMA1002485//Homo sapiens stanniocalcin-2 (STC-2) mRNA, complete cds//8.9e-116:560:97//Hs.155223:AF055460
 10 R-MAMMA1002494//ESTs//3.2e-47:303:88//Hs.155243:N70293
 R-MAMMA1002498//Human novel homeobox mRNA for a DNA binding protein//0.0043:331:58//Hs.37035:U07664
 R-MAMMA1002524//ESTs//0.0039:354:61//Hs.125797:AA806277
 15 R-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds//3.9e-103:529:95//Hs.18858:AF065214
 R-MAMMA1002545//Homo sapiens mRNA for KIAA0575 protein, complete cds//9.5e-50:317:88//Hs.153468:AB011147
 R-MAMMA1002554//ESTs//2.3e-85:445:95//Hs.139140:AA218851
 20 R-MAMMA1002556//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]/1.0e-12:280:65//Hs.12725:T65058
 R-MAMMA1002566//ESTs//2.3e-88:421:99//Hs.17602:AA705681
 R-MAMMA1002571//ESTs//5.1e-97:456:99//Hs.152834:AA595693
 R-MAMMA1002573//ESTs//3.1e-38:258:87//Hs.163989:R74433
 25 R-MAMMA1002585//ESTs//7.8e-96:533:91//Hs.26009:H49371
 R-MAMMA1002590//ESTs//0.61:202:62//Hs.161190:AI419258
 R-MAMMA1002597//Cytochrome P450, subfamily IIB (phenobarbital-inducible), polypeptide 6//2.9e-21:177:75//Hs.1360:M29874
 R-MAMMA1002598//ESTs//3.4e-113:544:97//Hs.20263:AA573737
 30 R-MAMMA1002603//Thiopurine S-methyltransferase//7.6e-35:225:80//Hs.51124:AF019369
 R-MAMMA1002612//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//4.2e-46:424:75//Hs.1361:M55053
 R-MAMMA1002617//ESTs//1.1e-38:229:92//Hs.96987:W27389
 R-MAMMA1002618//Landsteiner-Wiener blood group glycoprotein//1.3e-27:185:73//Hs.108287:L27670
 35 R-MAMMA1002619//ESTs//1.7e-95:480:96//Hs.54873:AA526306
 R-MAMMA1002622//Thromboxane A2 receptor//3.2e-46:298:87//Hs.89887:D38081
 R-MAMMA1002623//EST//4.3e-49:336:85//Hs.149580:AI281881
 R-MAMMA1002625//ESTs, Moderately similar to ovarian-specific protein [R.norvegicus]/2.3e-35:308:79//Hs.93332:AA811920
 40 R-MAMMA1002629//Homo sapiens mRNA for small GTP-binding protein, complete cds//9.7e-57:283:86//Hs.115325:D84488
 R-MAMMA1002636//Human mRNA for KIAA0392 gene, partial cds//1.2e-49:303:89//Hs.40100:AB002390
 R-MAMMA1002637//ESTs//1.3e-55:391:85//Hs.95074:AI144421
 R-MAMMA1002646//ESTs//7.4e-36:182:80//Hs.163937:N69915
 45 R-MAMMA1002650//ESTs//1.6e-102:547:94//Hs.57841:W63776
 R-MAMMA1002655
 R-MAMMA1002662//Homo sapiens KIAA0426 mRNA, complete cds//2.2e-46:462:75//Hs.97476:AB007886
 R-MAMMA1002665//Human mRNA for KIAA0118 gene, partial cds//9.1e-51:376:82//Hs.154326:D42087
 R-MAMMA1002671//ESTs, Weakly similar to coded for by C. elegans cDNA yk52e10.5 [C.elegans]/5.3e-108:544:96//Hs.16464:W19606
 50 R-MAMMA1002673//EST//3.3e-35:169:79//Hs.140046:AA668213
 R-MAMMA1002684//Homo sapiens mRNA for KIAA0214 protein, complete cds//4.6e-109:544:96//Hs.3363:D86987
 R-MAMMA1002685//EST//1.9e-31:223:86//Hs.112540:AA601385
 55 R-MAMMA1002698//ESTs//5.9e-43:292:85//Hs.144660:AA652675
 R-MAMMA1002699//ESTs//3.2e-25:134:100//Hs.126049:F22510
 R-MAMMA1002701//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]/6.9e-70:353:96//Hs.138404:R70986

EP 1 074 617 A2

R-MAMMA1002708//ESTs//2.1e-76:413:94//Hs.57932:W69234
R-MAMMA1002711//ESTs//1.9e-44:236:96//Hs.138575:H67858
R-MAMMA1002721//Homo sapiens DEC-205 mRNA, complete cds//2.7e-43:273:89//Hs.153563:AF011333
R-MAMMA1002727//ESTs//2.9e-84:395:10011Hs.162826:AA679571
5 R-MAMMA1002728//Small inducible cytokine A5 (RANTES)//3.4e-42:266:88//Hs.155464:AF088219
R-MAMMA1002744//ESTs//4.2e-18:473:63//Hs.42826:AA846757
R-MAMMA1002746//ESTs//1.8e-100:473:99//Hs.117558:AA779907
R-MAMMA1002748//Human melanoma antigen recognized by T-cells (MART-1) mRNA//5.8e-40:330:80//Hs.154069:U06452
10 R-MAMMA1002754//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.5e-40:369:77//Hs.105292:AA504776
R-MAMMA1002758
R-MAMMA1002764//ESTs//4.2e-103:486:99//Hs.159909:AI393281
R-MAMMA1002765//ESTs//1.6e-37:338:76//Hs.37573:H59651
15 R-MAMMA1002769//ESTs//0.72:409:57//Hs.141376:AI301272
R-MAMMA1002780//ESTs//1.6e-52:292:92//Hs.135985:AA342750
R-MAMMA1002782//ESTs//1.0e-31:157:80//Hs.159510:AA297145
R-MAMMA1002796//ESTs//3.8e-49:284:92//Hs.156479:AA513812
R-MAMMA1002807//Archain//1.4e-39:315:80//Hs.33642:X81198
20 R-MAMMA1002820//ESTs//5.0e-14:192:74//Hs.134635:AA226260
R-MAMMA1002830//EST//4.0e-50:255:97//Hs.160674:AI248319
R-MAMMA1002833//EST//1.2e-48:306:88//Hs.149580:AI281881
R-MAMMA1002835
R-MAMMA1002838//EST//2.7e-12:161:76//Hs.163252:AA828723
25 R-MAMMA1002842//ESTs//1.7e-41:366:78//Hs.141899:N22395
R-MAMMA1002843//Von Hippel-Lindau syndrome//8.8e-38:258:79//Hs.78160:AF010238
R-MAMMA1002844//ESTs//3.5e-51:250:99//Hs.151445:AA351081
R-MAMMA1002858//H.sapiens ERF-1 mRNA 3' end//9.0e-101:361:91//Hs.85155:X79067
R-MAMMA1002868//ESTs//2.1e-38:301:80//Hs.132717:AA171941
30 R-MAMMA1002871//EST//6.0e-88:413:99//Hs.149057:AI243592
R-MAMMA1002880//ESTs//6.5e-100:506:96//Hs.163533:N52194
R-MAMMA1002881//EST//1.1e-40:335:80//Hs.160895:AI365871
R-MAMMA1002886//Small inducible cytokine A5 (RANTES)//3.4e-36:228:88//Hs.155464:AF088219
R-MAMMA1002887//ESTs//4.7e-87:409:99//Hs.152155:AA424811
35 R-MAMMA1002890//ESTs, Weakly similar to coded for by C. elegans cDNA CEESB82F [C.elegans]//4.2e-92:438:99//Hs.155871:AA533783
R-MAMMA1002892//Homo sapiens EVI5 homolog mRNA, complete cds//4.9e-62:322:80//Hs.26929:AF008915
R-MAMMA1002895//ESTs//2.7e-32:330:76//Hs.139132:AA211087
R-MAMMA1002908//Calcium modulating ligand//4.6e-48:313:86//Hs.13572:AF068179
40 R-MAMMA1002909//Human mRNA for KIAA0180 gene, partial cds//3.4e-09:132:76//Hs.90981:D80002
R-MAMMA1002930//EST//4.9e-44:260:91//Hs.149580:AI281881
R-MAMMA1002938
R-MAMMA1002941//Human Line-1 repeat mRNA with 2 open reading frames//1.1e-83:556:85//Hs.23094:M19503
R-MAMMA1002947//ESTs//7.0e-22:222:80//Hs.103395:T79243
45 R-MAMMA1002964//Human mRNA for KIAA0355 gene, complete cds//1.6e-44:427:77//Hs.153014:AB002353
R-MAMMA1002970//Thromboxane A2 receptor//7.9e-48:300:84//Hs.89887:D38081
R-MAMMA1002972//ESTs, Weakly similar to KIAA0371 [H.sapiens]//9.6e-104:525:95//Hs.94396:AA399630
R-MAMMA1002973//ESTs//4.4e-40:257:87//Hs.163580:H15835
R-MAMMA1002982//ESTs//2.5e-28:115:87//Hs.141694:W15279
50 R-MAMMA1002987//Homo sapiens DNA fragmentation factor 40 kDa subunit (DFF40) mRNA, complete cds//2.1e-41:402:67//Hs.133089:AF064019
R-MAMMA1003003//Calcium modulating ligand//1.9e-45:380:79//Hs.13572:AF068179
R-MAMMA1003004//ESTs//3.0e-07:378:60//Hs.61885:AI127857
R-MAMMA1003007//ESTs//2.0e-47:404:80//Hs.146314:R99617
55 R-MAMMA1003011//ESTs, Highly similar to HISTONE MACRO-H2A.1 [Rattus norvegicus]//1.4e-53:320:90//Hs.92023:AI022248
R-MAMMA1003015//ESTs//1.5e-42:363:79//Hs.155184:AA573189
R-MAMMA1003019//ESTs//4.8e-10:232:66//Hs.111341:AA251268

EP 1 074 617 A2

R-MAMMA1003026//ESTs//2.3e-83:394:99//Hs.24668:AA897315
R-MAMMA1003031//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.5e-27:257:77//Hs.96337:AA225358
R-MAMMA1003035//ESTs//1.3e-94:481:94//Hs.92411:AA603321
5 R-MAMMA1003039//EST//0.56:210:61//Hs.162248:AA552160
R-MAMMA1003040//ESTs//2.1e-17:261:70//Hs.46980:W55940
R-MAMMA1003044//EST//2.4e-18:124:91//Hs.130321:AI002941
R-MAMMA1003047//ESTs//1.0e-20:209:78//Hs.15916:H12862
R-MAMMA1003049//14-3-3 PROTEIN SIGMA//0.94:184:60//Hs.2510:X57348
10 R-MAMMA1003055//EST//1.0e-49:281:92//Hs.149580:AI281881
R-MAMMA1003056//ESTs//0.99:107:66//Hs.30348:AI038559
R-MAMMA1003057//ESTs, Highly similar to hypothetical protein MD6 [M.musculus]//1.1e-102:545:93//Hs.13755:AA878911
R-MAMMA1003066//H.sapiens mRNA for urea transporter//8.1e-45:322:83//Hs.66710:X96969
15 R-MAMMA1003089//ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//1.4e-34:421:70//Hs.161959:AA493652
R-MAMMA1003099//ESTs//1.1e-43:379:79//Hs.37573:H59651
R-MAMMA1003104//ESTs//2.1e-97:498:96//Hs.9299:T51283
R-MAMMA1003113//EST//3.7e-29:457:70//Hs.123616:AA815366
20 R-MAMMA1003127//ESTs//2.6e-41:283:86//Hs.146811:AA410788
R-MAMMA1003135//ESTs//7.2e-101:504:97//Hs.87729:AA863125
R-MAMMA1003140//ESTs//4.3e-44:200:89//Hs.152093:AI149537
R-MAMMA1003146//Wingless-type MMTV integration site 5A, human homolog//0.020:413:61//Hs.152213:L20861
25 R-nnnnnnnnnnnnn
R-MAMMA1003166//ESTs, Moderately similar to PEANUT PROTEIN[Drosophila melanogaster]//2.0e-87:524:89//Hs.6884:W30736
R-NT2RM2002580//Homo sapiens clone 24781 mRNA sequence//1.6e-111:587:94//Hs.108112:AF070640
R-NT2RM4000024//ESTs//2.9e-98:523:94//Hs.26641:R59312
30 R-NT2RM4000027
R-NT2RM4000030//ESTs//1.6e-96:482:96//Hs.90625:T03663
R-NT2RM4000046//ESTs//1.6e-91:461:97//Hs.151237:AI86169
R-NT2RM4000061//ESTs//4.3e-31:167:97//Hs.110821:Z78379
R-NT2RM4000085//Homo sapiens clone 24700 unknown mRNA, partial cds//4.0e-113:549:97//Hs.95665:AF070639
35 R-NT2RM4000086//EST//2.7e-17:212:76//Hs.137041:AA877817
R-NT2RM4000104//ESTs//3.0e-85:452:94//Hs.101750:H19708
R-NT2RM4000139//EST//3.3e-05:156:66//Hs.133228:AI052312
R-NT2RM4000155//ESTs, Moderately similar to THREONYL-TRNA SYNTHETASE, CYTOPLASMIC [H.sapiens]//1.9e-99:536:92//Hs.127810:AI246301
40 R-NT2RM4000156//EST//0.89:169:62//Hs.162967:AA676397
R-nnnnnnnnnnnnn//ESTs//1.0:214:61//Hs.119370:W52962
R-NT2RM4000169//ESTs//5.4e-82:440:93//Hs.159379:AI382160
R-NT2RM4000191//ESTs, Weakly similar to P68 PROTEIN [H.sapiens]//4.1e-99:542:93//Hs.6366:AA614113
45 R-NT2RM4000197//ESTs//5.4e-113:567:96//Hs.22975:AA156723
R-NT2RM400019911ESTs//10.020:95:6511Hs.146203:AI254528
R-NT2RM4000200//ESTs//1.4e-100:488:97//Hs.126538:AA931876
R-NT2RM4000202//Small inducible cytokine A5 (RANTES)//4.3e-37:330:77//Hs.155464:AF088219
R-NT2RM4000210//Homo sapiens mRNA for KIAA0712 protein, complete cds//1.7e-103:546:94//Hs.111138:AB018255
50 R-NT2RM4000215
R-nnnnnnnnnnnnn//ESTs//7.1e-92:457:97//Hs.162074:AA477760
R-NT2RM4000233//Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)//0.00020:174:66//Hs.235:X51602
55 R-NT2RM4000244//ESTs//6.6e-61:320:95//Hs.108646:AA613031
R-NT2RM4000251//Homo sapiens mRNA for TRIP6 (thyroid receptor interacting protein)//0.63:219:62//Hs.119498:AF000974
R-NT2RM4000265//ESTs//8.8e-105:489:99//Hs.131001:AI378742

2215

R-NT2RM4000290//ESTs//4.0e-87:435:96//Hs.162592:AA594128
R-NT2RM4000324//ESTs//2.2e-80:413:96//Hs.12313:R43673
R-NT2RM4000327//Small inducible cytokine A5 (RANTES)//3.2e-45:286:87//Hs.155464:AF088219
5 R-NT2RM4000344//Clathrin, light polypeptide (Lcb)//8.6e-60:452:84//Hs.73919:X81637
R-NT2RM4000349//ESTs, Weakly similar to KIAA0005 [H.sapiens]//2.5e-117:579:96//Hs.5216:AA534881
R-NT2RM4000354//ESTs//2.1e-85:406:99//Hs.126774:AI224479
R-NT2RM4000356//ESTs//7.9e-109:548:96//Hs.44278:AA418063
R-NT2RM4000366//Homo sapiens mRNA for KIAA0642 protein, partial cds//2.8e-113:577:95//Hs.8152:AB014542
R-NT2RM4000368//ESTs//2.2e-61:310:97//Hs.143611:M78140
10 R-NT2RM4000386//ESTs, Weakly similar to tenascin-like protein [D.melanogaster]//1.0e-93:521:92//Hs.41793:
AA775879
R-NT2RM4000395//ESTs, Highly similar to HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENE-
IC REGION [Saccharomyces cerevisiae]//1.9e-99:524:94//Hs.5249:U55977
R-NT2RM4000414//EST//2.7e-06:196:64//Hs.136648:AA688285
15 R-NT2RM4000421//ESTs, Weakly similar to No definition line found [C.elegans]//5.4e-75:470:90//Hs.69235:
AA192359
R-NT2RM4000425//H.sapiens mRNA for MACH-alpha-2 protein//0.17:112:69//Hs.19949:X98173
R-NT2RM4000433//ESTs//2.7e-100:479:98//Hs.24553:A1150687
R-NT2RM4000457//ESTs//5.1e-107:535:95//Hs.7579:AA775865
20 R-NT2RM4000471//ESTs, Highly similar to NIFS-LIKE 54.5 KD PROTEIN [Saccharomyces cerevisiae]//6.0e-99:
492:96//Hs.21090:AA418587
R-NT2RM4000486//ESTs, Moderately similar to unnamed protein product [H.sapiens]//2.2e-102:493:97//Hs.
111279:W84558
R-NT2RM4000496
25 R-NT2RM4000511//EST//5.1e-43:326:81//Hs.157658:A1358465
R-NT2RM4000514//ESTs//1.7e-112:552:96//Hs.6686:AA205496
R-nnnnnnnnnnnn//ESTs, Weakly similar to HYPOTHETICAL 85.0 KD PROTEIN IN CPA2-ATP2 INTERGENIC
REGION [Saccharomyces cerevisiae]//1.4e-60:343:93//Hs.16014:AA074879
R-NT2RM4000520//ESTs//2.7e-55:266:100//Hs.99838:AA204731
30 R-NT2RM4000531//ESTs//2.0e-88:502:91//Hs.13110:T67461
R-NT2RM4000532//ESTs//0.47:290:58//Hs.148753:T91777
R-NT2RM4000534//EST//0.00025:303:60//Hs.162809:AA632198
R-NT2RM4000585//EST//0.28:63:77//Hs.150024:A1291981
R-NT2RM4000590//ESTs//5.8e-65:320:98//Hs.116017:AA613437
35 R-NT2RM4000595//Homo sapiens KIAA0431 mRNA, partial cds//0.99:189:64//Hs.16349:AB007891
R-NT2RM4000603//ESTs//4.6e-68:356:96//Hs.48855:AA134589
R-nnnnnnnnnnnn//ESTs//1.5e-89:431:97//Hs.26117:W16697
R-NT2RM4000616//ESTs, Highly similar to ACETYL-COENZYME A SYNTHETASE [Escherichia coli]//1.4e-102:
519:96//Hs.14779:N64822
40 R-NT2RM4000674//ESTs//5.1e-78:398:97//Hs.8268:N70144
R-NT2RM4000689//ESTs, Weakly similar to T01G9.4 [C.elegans]//2.9e-115:550:98//Hs.11820:AA205531
R-NT2RM4000698//ESTs//2.0e-17:130:87//Hs.86420:AA927510
R-nnnnnnnnnnnn
R-NT2RM4000712//EST//0.99:103:65//Hs.114039:AA701128
45 R-NT2RM4000717//ESTs, Highly similar to BONE MORPHOGENETIC PROTEIN 1 PRECURSOR [Mus musculus]
//2.2e-103:519:95//Hs.6823:W18181
R-NT2RM4000733//ESTs//8.7e-88:429:98//Hs.72185:AA465311
R-NT2RM4000734//Homo sapiens mRNA for KIAA0760 protein, partial cds//3.6e-105:536:95//Hs.137168:
AB018303
50 R-NT2RM4000741//ESTs//0.99:266:58//Hs.142718:AA034046
R-NT2RM4000751//ESTs//1.6e-20:351:66//Hs.43145:AA776988
R-NT2RM4000764
R-NT2RM4000778//EST//0.066:254:61//Hs.148232:AA904174
R-NT2RM4000779//Homo sapiens mRNA for KIAA0451 protein, complete cds//9.3e-106:546:94//Hs.18586:
55 AB007920
R-NT2RM4000787//Human melanoma antigen recognized by T-cells (MART-1) mRNA//6.5e-40:424:73//Hs.
154069:U06452
R-NT2RM4000790//EST//9.0e-48:259:94//Hs.159694:A1417008

EP 1 074 617 A2

R-NT2RM000795//Human mRNA for KIAA0067 gene, complete cds//1.0:203:63//Hs.20991:D31891
R-NT2RM4000796//ESTs//7.0e-106:506:98//Hs.43559:AI003520
R-NT2RM4000798//Human polymorphic epithelial mucin core protein mRNA, 3' end//2.5e-28:158:96//Hs.118249:
M21868
5 R-NT2RM4000813
R-NT2RM4000820//ESTs, Weakly similar to hypothetical protein [H.sapiens]//1.3e-109:539:97//Hs.99636:
AI219667
R-NT2RM4000833//ESTs, Moderately similar to ZK863.3 [C.elegans]//4.0e-112:448:99//Hs.20223:AA482031
R-NT2RM4000848//ESTs//8.1e-97:476:97//Hs.16036:AA883864
10 R-NT2RM4000852//ESTs//6.4e-94:467:97//Hs.11556:AI309597
R-NT2RM4000855//ESTs//2.9e-95:544:90//Hs.106525:AI283343
R-nnnnnnnnnnnn
R-NT2RM4000895//ESTs, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//9.3e-
96:450:99//Hs.142076:AA604514
15 R-NT2RM4000950//ESTs//2.6e-91:438:98//Hs.43827:AA455262
R-NT2RM4000971//EST//2.9e-96:461:99//Hs.139709:AA227887
R-NT2RM4000979//EST//1.6e-67:329:98//Hs.96927:AA349647
R-NT2RM4000996//ESTs, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens]//1.7e-82:414:96//Hs.115342:
AA650126
20 R-NT2RM4001002//Homo sapiens mRNA for KIAA0729 protein, partial cds//3.8e-114:545:97//Hs.19542:
AB018272
R-NT2RM4001016//Homo sapiens mRNA for KIAA0639 protein, partial cds//2.5e-114:556:97//Hs.15711:
AB014539
R-NT2RM4001032//ESTs//7.8e-17:132:84//Hs.138720:N53352
25 R-NT2RM4001047//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds//0.42:133:67//Hs.
32170:AB015132
R-NT2RM4001054//ESTs//1.7e-84:404:99//Hs.116407:AA815300
R-nnnnnnnnnnn//ESTs//3.4e-91:439:99//Hs.103177:W72798
R-NT2RM4001092//ESTs//1.4e-86:517:891//Hs.132969:Z78324
30 R-NT2RM4001116//EST//5.2e-57:275:100//Hs.131115:AI016962
R-NT2RM4001140//ESTs//5.5e-96:461:98//Hs.86965:AA252276
R-NT2RM4001151//ESTs//0.40:263:58//Hs.113189:R08311
R-NT2RM4001155//ESTs//8.3e-105:544:94//Hs.29647:W60848
R-NT2RM4001160//EST//7.6e-25:380:68//Hs.147405:AI209085
35 R-NT2RM4001187//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//9.2e-
43:273:91//Hs.109005:N31174
R-NT2RM4001191//Cytochrome P450, 51 (lanosterol 14-alpha-demethylase)//3.1e-32:274:70//Hs.2379:U23942
R-NT2RM4001200//ESTs//4.5e-102:494:97//Hs.31844:N32849
R-NT2RM4001203
40 R-NT2RM4001204//ESTs//9.8e-88:468:93//Hs.4990:T65307
R-NT2RM4001217//ESTs//1.2e-75:396:94//Hs.25042:R72410
R-NT2RM4001256//ESTs//1.0:157:62//Hs.65377:AA994677
R-NT2RM4001258//ESTs//9.6e-41:260:88//Hs.27633:N76184
R-NT2RM4001309
45 R-NT2RM4001313//EST//0.0022:150:66//Hs.161573:W84857
R-NT2RM4001316//ESTs//3.5e-26:139:99//Hs.23100:AI128899
R-NT2RM4001320//ESTs//1.6e-97:308:99//Hs.112024:AI042352
R-NT2RM4001340//ESTs, Highly similar to UTR4 PROTEIN [Saccharomyces cerevisiae]//1.9e-105:522:97//Hs.
18442:AI129307
50 R-NT2RM4001344//EST//1.1e-90:436:99//Hs.95900:AA160339
R-NT2RM4001347//EST//0.17:186:61//Hs.16751:T90476
R-NT2RM4001371//EST//0.0069:270:62//Hs.99239:AA450211
R-NT2RM4001382
R-NT2RM4001384//ESTs//9.6e-91:445:98//Hs.55000:AA805507
55 R-NT2RM4001410//EST//0.13:50:82//Hs.157675:AI358790
R-NT2RM4001411//ESTs, Weakly similar to lymphocyte specific adaptor protein Lnk [M.musculus]//4.0e-102:539:
94//Hs.15744:AI055859
R-NT2RM4001412

2217

R-NT2RM4001414//ESTs//6.5e-35:226:88//Hs.121727:AA775895
R-NT2RM4001437//EST//0.017:169:67//Hs.13207:F10054
R-NT2RM4001444//ESTs, Weakly similar to ISOLEUCYL-TRNA SYNTHETASE, MITOCHONDRIAL [S.cerevisiae]//7.4e-108:544:94//Hs.7558:AA526812
5 R-NT2RM4001454//ESTs//4.7e-108:517:98//Hs.32295:N32277
R-NT2RM4001455//EST//9.6e-81:395:97//Hs.127978:AA969739
R-NT2RM4001483//Human mRNA for KIAA0033 gene, partial cds//1.8e-58:324:85//Hs.22271:D26067
R-NT2RM4001489//Homo sapiens mRNA for KIAA0685 protein, complete cds//7.0e-104:547:93//Hs.153121:AB014585
10 R-NT2RM4001519//Histatin 1//0.53:340:59//Hs.119101:M26664
R-NT2RM40015227//Small inducible cytokine A5 (RANTES)//8.4e-55:306:80//Hs.155464:AF088219
R-NT2RM40015577//ESTs, Weakly similar to F11A10.4 [C.elegans]//6.1e-21:165:83//Hs.29134:H43072
R-NT2RM4001565//ESTs//2.0e-103:483:99//Hs.121273:AA758027
R-NT2RM4001566//Human DNA sequence from clone 1409 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and genomic marker DXS8032//2.7e-43:446:72//Hs.4943:Z98046
15 R-NT2RM4001569//ESTs//3.6e-37:186:100//Hs.86959:AA888009
R-NT2RM4001582//ESTs//1.2e-96:459:98//Hs.114432:N52946
20 R-nnnnnnnnnnnnnn
R-NT2RM4001594//ESTs//1.6e-83:404:98//Hs.134740:AA282171
R-NT2RM4001597//ESTs//6.9e-111:558:96//Hs.11408:AI358871
R-NT2RM4001605//Homo sapiens mRNA for KIAA0791 protein, complete cds//2.1e-112:565:95//Hs.23255:AB018334
25 R-NT2RM4001611//EST//5.9e-74:353:99//Hs.125318:AA837079
R-NT2RM4001629//ESTs//6.1e-95:453:99//Hs.115765:AA485957
R-NT2RM4001650
R-NT2RM4001662
R-NT2RM4001666//Homo sapiens mRNA for KIAA0469 protein, complete cds//3.6e-36:230:70//Hs.7764:
30 AB007938
R-NT2RM4001682//EST//4.3e-68:393:90//Hs.157362:AI367496
R-NT2RM4001710//ESTs//4.3e-48:235:99//Hs.7299:AA203440
R-NT2RM4001714//ESTs//0.0014:568:58//Hs.50458:AA868686
R-nnnnnnnnnnnnn/ESTs//6.5e-104:487:99//Hs.153581:AA630465
35 R-NT2RM4001731//ESTs, Weakly similar to No definition line found [C.elegans]//3.1e-108:563:94//Hs.18510:AA522887
R-NT2RM4001741//T3 receptor-associating cofactor-1 [human, fetal liver, mRNA, 2930 nt]//0.083:124:68//Hs.120980:S83390
R-NT2RM4001746//ESTs//6.1e-90:420:100//Hs.139003:AA948200
40 R-NT2RM4001754//Human kpni repeat mma (cdna clone pcd-kpni-4), 3' end//5.4e-59:504:78//Hs.139107:K00629
R-NT2RM4001758//ESTs//8.9e-27:140:100//Hs.149973:AI290740
R-NT2RM4001776//Homo sapiens mRNA for KIAA0727 protein, partial cds//6.4e-24:236:80//Hs.39871:AB018270
R-NT2RM4001783//ESTs//9.9e-30:156:99//Hs.115260:AA314956
R-NT2RM4001810//ESTs//1.3e-65:346:95//Hs.131915:W22567
45 R-NT2RM4001813//ESTs//5.7e-102:473:100//Hs.87574:AI089920
R-NT2RM4001823//ESTs//3.8e-62:324:95//Hs.124109:AA888839
R-NT2RM4001828//ESTs//1.3e-119:563:98//Hs.102397:AA706551
R-NT2RM4001836//ESTs//5.5e-16:92:100//Hs.26996:AA551070
R-NT2RM4001841//ESTs//1.3e-99:540:94//Hs.42322:AA082619
50 R-NT2RM4001842//ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//4.1e-10:274:62//Hs.161959:AA493652
R-NT2RM4001856//ESTs, Weakly similar to contains similarity to ATP/GTP-binding site motif [C.elegans]//3.0e-43:292:86//Hs.14202:N46000
R-nnnnnnnnnnnnn/ESTs//6.2e-104:495:98//Hs.118686:AA682280
55 R-NT2RM40018657/Homo sapiens mRNA for atopy related autoantigen CALC//1.6e-120:592:97//Hs.61628:Y17711
R-NT2RM4001876//ESTs//2.9e-98:532:92//Hs.100734:AA158252
R-NT2RM4001880//ESTs//2.5e-29:224:86//Hs.6193:AA045149

R-NT2RM4001905//ESTs//5.6e-109:565:95//Hs.9536:AA114178
R-NT2RM4001922//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.2e-105:
535:95//Hs.30991:AA994438
R-NT2RM4001930//ESTs//4.1-84:425:96//Hs.80042:N63143
5 R-NT2RM4001938//EST//0.00040:241:60//Hs.147235:AI205893
R-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds//2.0e-110:556:95//Hs.118631:
AF098162
R-NT2RM4001953//ESTs//5.3e-65:338:96//Hs.33718:AA453268
R-NT2RM4001965//ESTs, Weakly similar to T14B4.2 gene product [C.elegans]//5.7e-62:326:95//Hs.3385:N25917
10 R-nnnnnnnnnnnn//ESTs, Weakly similar to IP63 protein [R.norvegicus]//1.9e-21:121:98//Hs.8772:AA521097
R-NT2RM4001979//ESTs//1.4e-96:465:98//Hs.157103:W60265
R-NT2RM4001984
R-NT2RM4001987
R-NT2RM4002013//EST//2.2e-14:110:90//Hs.160835:AI345528
15 R-NT2RM4002018
R-NT2RM4002034//Human mRNA for KIAA0118 gene, partial cds//9.4e-46:293:87//Hs.154326:D42087
R-NT2RM4002044//ESTs//2.8e-107:537:96//Hs.24078:W44435
R-NT2RM4002054//ESTs//3.7e-88:482:94//Hs.4243:T78226
R-NT2RM4002062//ESTs//1.4e-55:377:85//Hs.152592:AA587887
20 R-NT2RM4002063//Calcium modulating ligand//1.8e-43:385:78//Hs.13572:AF068179
R-nnnnnnnnnnnn//Homo sapiens OPA-containing protein mRNA, complete cds//5.5e-42:554:68//Hs.85313:
AF071309
R-NT2RM4002067//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//2.3e-43:468:73//Hs.139107:K00629
R-NT2RM4002073//ESTs, Weakly similar to very-long-chain acyl-CoA synthetase [H.sapiens]//6.8e-57:290:96//
25 Hs.109274:AA193416
R-NT2RM4002075//ESTs//0.078:267:61//Hs.163563:AA641655
R-NT2RM4002093//ESTs//1.2e-64:316:99//Hs.34956:AI052528
R-nnnnnnnnnnnn//ESTs//1.0:95:69//Hs.25897:W65409
R-NT2RM4002128//Homo sapiens mRNA for BCL9 gene//0.51:258:60//Hs.122607:Y13620
30 R-NT2RM4002140//ESTs//5.5e-46:187:94//Hs.8737:W22712
R-NT2RM4002145//ESTs//4.6e-70:374:94//Hs.141082:H18987
R-NT2RM4002146//ESTs//1.9e-93:43:9:99//Hs.119295:AA442090
R-NT2RM4002161//Homo sapiens laforin (EPM2A) mRNA, partial cds//1.5e-111:560:96//Hs.22464:AF084535
R-NT2RM4002174//Homo sapiens LIM protein mRNA, complete cds//3.2e-46:552:72//Hs.154103:AF061258
35 R-NT2RM4002189//ESTs//9.6e-75:352:100//Hs.98350:H15400
R-NT2RM4002194//EST//0.22:68:72//Hs.149104:AI244343
R-NT2RM4002205//EST//0.00028:103:72//Hs.130032:AA897678
R-NT2RM4002213//ESTs//3.3e-15:160:78//Hs.63304:W22079
R-NT2RM4002226//ESTs, Highly similar to GTPASE ACTIVATING PROTEIN ROTUND [Drosophila melanogaster]
40 //5.1e-112:569:95//Hs.23900:U82984
R-NT2RM4002251//ESTs, Weakly similar to similar to alpha-1,3-mannosyl-glycoprotein beta-1, 2-N-acetylglu-
cosaminyltransferase [C.elegans]//1.1e-100:544:93//Hs.27567:W72190
R-NT2RM4002256//Small inducible cytokine A5 (RANTES)//1.0e-44:341:81//Hs.155464:AF088219
R-NT2RM4002266//ESTs//2.6e-100:539:93//Hs.57976:AA535864
45 R-NT2RM4002278//ESTs//1.8e-112:569:95//Hs.87281:AA128263
R-NT2RM4002281//ESTs//4.9e-20:187:80//Hs.141203:H52638
R-NT2RM4002287//ESTs//7.9e-84:388:94//Hs.33977:N52461
R-NT2RM4002294
R-NT2RM4002301//ESTs//4.5e-111:556:96//Hs.85916:AA194164
50 R-NT2RM4002323//ESTs//4.5e-102:498:97//Hs.85782:AA191498
R-nnnnnnnnnnnn//ESTs//5.0e-59:283:100//Hs.125048:AA682913
R-NT2RM4002344//V-akt murine thymoma viral oncogene homolog 2//0.29:153:66//Hs.155129:M77198
R-NT2RM4002373//Homo sapiens mRNA for KIAA0649 protein, complete cds//2.8e-122:593:97//Hs.26163:
AB014549
55 R-NT2RM4002374//ESTs//3.3e-40:505:70//Hs.95115:AA206594
R-NT2RM4002383//ESTs//2.7e-93:455:97//Hs.134278:AA648884
R-NT2RM4002390//ESTs//3.3e-93:481:95//Hs.48764:AA613328
R-NT2RM4002409//ESTs, Weakly similar to coded for by C. elegans cDNA yk52e10.5 [C.elegans]//1.3e-97:473:

98//Hs.16464:W19606
 R-NT2RM4002438//ESTs//0.74:162:61//Hs.65377:AA994677
 R-NT2RM4002446
 R-NT2RM4002452//EST//1.0:164:60//Hs.116619:AA668142
 5 R-NT2RM4002457
 R-NT2RM4002460//ESTs//3.0e-74:385:96//Hs.6933:R07890
 R-NT2RM4002479//Homo sapiens RNA helicase-related protein mRNA, complete cds//1.6e-103:507:97//Hs.
 8765:AF083255
 R-NT2RM4002482//Homo sapiens mRNA for KIAA0691 protein, complete cds//2.3e-32:172:98//Hs.94781:
 10 AB014591
 R-NT2RM4002493//ESTs//6.4e-73:366:97//Hs.157114:T58884
 R-NT2RM4002499//ESTs//3.5e-61:307:97//Hs.117737:AI088029
 R-NT2RM4002504//ESTs//2.1e-55:306:94//Hs.10949:AA464464
 R-ntnnnnnnnnnnnn//ESTs, Weakly similar to peroxisome targeting signal 2 receptor [H.sapiens]//1.4e-73:360:91//
 15 Hs.31030:H50467
 R-NT2RM4002532//ESTs//1.3e-21:191:78//Hs.146811:AA410788
 R-NT2RM4002534//ESTs//1.8e-99:512:95//Hs.13526:AI417057
 R-NT2RM4002567//ESTs//7.6e-41:272:87//Hs.7114:R24312
 R-NT2RM4002571//ESTs, Highly similar to POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE [Bos
 20 taurus]//2.3e-89:435:97//Hs.15830:AA165698
 R-NT2RM4002593//ESTs//2.3e-109:552:96//Hs.17424:AA190569
 R-NT2RM4002623//ESTs, Weakly similar to ASPARTYL-TRNA SYNTHETASE [Thermus aquaticus thermophilus]
 //9.6e-28:194:87//Hs.59346:AI126802
 R-NT2RP2000001//ESTs//2.6e-80:386:99//Hs.105061:N45096
 25 R-NT2RP2000006//Thromboxane A2 receptor//7.2e-37:253:84//Hs.89887:D38081
 R-NT2RP2000008//Zinc finger protein 37a (KOX 21)//5.2e-25:366:67//Hs.54488:X69115
 R-NT2RP2000027//ESTs//9.5e-74:377:96//Hs.96557:AA286713
 R-NT2RP2000040//Homo sapiens mRNA for KIAA0747 protein, partial cds//2.7e-42:223:96//Hs.8309:AB018290
 R-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds//
 30 4.3e-64:309:98//Hs.6216:AF061749
 R-NT2RP2000054//EST//1.2e-71:375:96//Hs.98835:AA435798
 R-NT2RP2000056//EST//2.8e-28:342:69//Hs.135526:AI094910
 R-NT2RP2000067//ESTs, Weakly similar to tenascin-like protein [D.melanogaster]//2.3e-35:199:94//Hs.41793:
 AA775879
 35 R-NT2RP2000070//ESTs, Weakly similar to proto-cadherin 3 [R.norvegicus]//1.4e-78:383:98//Hs.58254:W72881
 R-NT2RP2000076//EST//0.0014:227:63//Hs.136761:AA738097
 R-NT2RP2000077//Homo sapiens growth arrest specific 11 (GAS11) mRNA, complete cds//1.1e-78:379:97//Hs.
 54877:AF050078
 R-NT2RP2000079//Homo sapiens RET finger protein-like 1 antisense transcript, partial//2.9e-21:232:75//Hs.
 40 102576:AJ010230
 R-NT2RP2000088//Homo sapiens mRNA for KIAA0795 protein, partial cds//1.8e-75:378:96//Hs.22926:AB018338
 R-NT2RP2000091//Carcinoembryonic antigen gene family member 6//0.030:236:63//Hs.41:D90064
 R-NT2RP2000097//ESTs//4.2e-15:92:97//Hs.7432:AA281757
 R-NT2RP2000098//ESTs//9.0e-53:279:94//Hs.87807:AA813827
 45 R-NT2RP2000108//EST//1.5e-75:378:96//Hs.162105:AA524419
 R-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds//5.8e-76:386:95//Hs.17706:AB018356
 R-NT2RP2000120//ESTs, Weakly similar to HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III
 [C.elegans]//1.9e-19:153:86//Hs.5268:W22670
 R-ntnnnnnnnnnnnn//ESTs//1.0e-55:293:95//Hs.14570:AI422099
 50 R-ntnnnnnnnnnnnn//ESTs//0.24:354:59//Hs.157564:AI356513
 R-NT2RP2000147//ESTs, Highly similar to CLATHRIN COAT ASSEMBLY PROTEIN AP47 [Mus musculus]//3.0e-
 89:457:95//Hs.3832:AI208601
 R-NT2RP2000153//EST//0.0039:93:68//Hs.140386:AA773548
 R-NT2RP2000157//ESTs//1.1e-53:322:91//Hs.6877:AA040820
 55 R-NT2RP2000161//EST5//1.6e-99:492:97//Hs.21738:AI188190
 R-NT2RP2000175//ESTs//1.4e-98:489:96//Hs.4849:AI143741
 R-NT2RP2000183//ESTs//9.0e-72:358:96//Hs.4856:N51373
 R-NT2RP2000195//ESTs//3.9e-92:439:98//Hs.145091:AA814510

EP 1 074 617 A2

R-NT2RP2000205//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.4e-80:415:95//Hs.11807:T86897
R-NT2RP2000224//RNA polymerase II, polypeptide C (33kD)//1.1e-57:306:94//Hs.79402:AC004382
R-NT2RP2000232
5 R-NT2RP2000233//ESTs//1.1e-08:63:96//Hs.124861:AI090683
R-NT2RP2000239//ESTs//5.3e-87:427:96//Hs.86211:AA604379
R-NT2RP2000248//ESTs, Weakly similar to O-linked GlcNAc transferase [H.sapiens]//1.3e-95:454:99//Hs.102057:AA649005
R-NT2RP2000257//ESTs//5.1e-58:282:99//Hs.122565:AI126840
10 R-NT2RP2000258//EST//1.0:67:68//Hs.61812:AA035649
R-NT2RP2000270//ESTs, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//8.4e-59:298:96//Hs.16085:AI261382
R-NT2RP2000274//ESTs//7.5e-61:296:98//Hs.86081:AA196635
R-NT2RP2000288//ESTs//1.8e-56:305:93//Hs.7579:AA775865
15 R-NT2RP2000289
R-NT2RP2000297//ESTs, Highly similar to MKR2 PROTEIN [Mus musculus]//9.8e-106:494:99//Hs.102951:AA574249
R-NT2RP2000298//ESTs//2.1e-62:256:90//Hs.8737:W22712
R-NT2RP2000310//Human proline dehydrogenase/proline oxidase (PRODH) mRNA, complete cds//2.8e-39:222:93//Hs.58218:U82381
20 R-NT2RP2000327//Homo sapiens DNA sequence from PAC 434014 on chromosome 1q32.3-.41. Contains the HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two unknown genes. Contains ESTs and GSSs//2.9e-71:342:98//Hs.87684:AL022398
25 R-NT2RP2000329//ESTs, Highly similar to GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL [Bos taurus]//3.4e-69:371:94//Hs.43436:N32441
R-NT2RP2000337//ESTs//5.2e-79:411:95//Hs.101799:AI276062
R-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds//1.1e-47:262:94//Hs.76556:U83981
30 R-NT2RP2000369//ESTs//4.3e-102:531:94//Hs.15855:H98103
R-NT2RP2000414//Homo sapiens HnRNP F protein mRNA, complete cds//8.4e-09:93:83//Hs.808:L28010
R-NT2RP2000420//ESTs//8.2e-24:142:94//Hs.144893:AI222324
R-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds//4.2e-20:140:90//Hs.5819:AF102265
35 R-NT2RP2000438//ESTs, Weakly similar to misato [D.melanogaster]//1.3e-65:362:93//Hs.22197:AI151425
R-NT2RP2000448//ESTs, Highly similar to HYPOTHETICAL 51.6 KD PROTEIN IN PAP1-MRPL13 INTERGENIC REGION [Saccharomyces cerevisiae]//3.6e-75:435:92//Hs.21938:W81045
R-NT2RP2000459//ESTs//2.8e-95:527:93//Hs.103422:AI352013
R-NT2RP2000498//ESTs//2.3e-17:119:79//Hs.161714:AA229078
40 R-NT2RP2000503//ESTs//5.2e-91:438:98//Hs.152335:AI290215
R-NT2RP2000510//Homo sapiens KIAA0436 mRNA, partial cds//0.13:455:58//Hs.110:AB007896
R-nnnnnnnnnn//ESTs//9.9e-63:376:89//Hs.47546:AA181348
R-NT2RP2000523
R-NT2RP2000603//Homo sapiens mRNA for KIAA0572 protein, partial cds//3.5e-30:167:97//Hs.14409:AB011144
45 R-NT2RP2000617//ESTs//9.5e-103:493:98//Hs.9412:W72446
R-NT2RP2000634//Homo sapiens mRNA for KIAA0614 protein, partial cds//8.1e-66:335:96//Hs.7314:AB014514
R-NT2RP2000644//ESTs//1.1e-18:372:63//Hs.82419:AA789222
R-NT2RP2000656//ESTs//1.0e-10:128:80//Hs.23977:AA115275
R-NT2RP2000658//ESTs//0.31:278:59//Hs.15661:W02396
50 R-NT2RP2000668//ESTs//8.2e-40:255:88//Hs.113310:R16767
R-NT2RP2000678//ESTs//2.6e-53:271:9611Hs.23790:N99347
R-NT2RP2000710//ESTs//0.49:190:63//Hs.145521:AI261368
R-NT2RP2000715//EST//1.2e-87:418:9911Hs.139425:AA429279
R-NT2RP2000731//EST//5.3e-65:322:97//Hs.136754:AA713965
55 R-NT2RP2000758//ESTs//1.0:187:61//Hs.10545:N62642
R-NT2RP2000764//ESTs//5.8e-84:485:91//Hs.121816:AA775419
R-NT2RP2000809
R-NT2RP2000812//ESTs//1.2e-45:231:97//Hs.121028:AA902745

R-nnnnnnnnnnnnnnnnn//ESTs//6.3e-87:433:97//Hs.145479:AA969404
R-NT2RP2000816//ESTS//0.45:100:69//Hs.147529:AA458918
R-NT2RP2000819
R-NT2RP2000841//ESTs//1.9e-73:351:99//Hs.116385:AI224511
5 R-NT2RP2000842//TUMOR NECROSIS FACTOR-INDUCIBLE PROTEIN TSG-6
PRECURSOR//4.6e-10:247:66//Hs.29352:M31165
R-NT2RP2000845//ESTs//2.8e-91:443:97//Hs.66810:AI206552
R-NT2RP2000863//ESTs//4.3e-49:310:88//Hs.104336:W07345
R-NT2RP2000880//Homo sapiens mRNA for KIAA0741 protein, complete cds//2.8e-43:277:89//Hs.3615:
10 AB018284
R-NT2RP2000892//ESTs//2.8e-50:25 8:96//Hs.119238:AA476267
R-NT2RP2000931//MATRIN 3//7.2e-57:290:96//Hs.78825:AB018266
R-NT2RP2000938//ESTs, Highly similar to HYPOTHETICAL 6.3 KD PROTEIN ZK652.2 IN CHROMOSOME III
[Caenorhabditis elegans]//3.9e-37:199:95//Hs.112318:AA186477
15 R-NT2RP2000943//Homo sapiens mRNA for KIAA0755 protein, complete cds//9.8e-98:494:96//Hs.19822:
AB018298
R-NT2RP2000965//EST//0.22:223:60//Hs.105703:AA487021
R-NT2RP2000970//EST//8-7e-06:255:62//Hs.149202:AI246481
R-NT2RP2000985//ESTs, Weakly similar to HYPOTHETICAL 96.8 KD PROTEIN IN SIS2-MTD1 INTERGENIC
20 REGION [Saccharomyces cerevisiae]//7.8e-92:468:95//Hs.12124:AA522537
R-NT2RP2000987//ESTs//4.5e-78:419:93//Hs.21968:H97521
R-NT2RP2001036//EST//2.0e-33:148:82//Hs.163196:AA767643
R-NT2RP2001044//ESTs//5.6e-95:493:95//Hs.21958:AA453660
R-NT2RP2001065//ESTs//3.6e-28:153:96//Hs.119314:AA432108
25 R-NT2RP2001070//EST//0.30:94:67//Hs.94289:N73665
R-NT2RP2001094//EST//0.75:101:69//Hs.161040:H82068
R-NT2RP2001119
R-NT2RP2001127//Homa sapiens mRNA for HRIHFB2060, partial cds//1.5e-56:304:94//Hs.146282:AB015348
R-NT2RP2001137
30 R-NT2RP2001149//ESTs//5.1e-66:324:9711Hs.27475:AA704512
R-NT2RP2001168//ESTs//2.0e-98:539:92//Hs.77870:AI188145
R-NT2RP2001173//Homo sapiens mRNA for KIAA0480 protein, complete cds//1.5e-96:490:96//Hs.26247:
AB007949
R-NT2RP2001174//ESTs//2.2e-63:354:93//Hs.24266:R28287
35 R-NT2RP2001196//ESTs//1.4e-83:463:93//Hs.124304:AA825510
R-NT2RP2001218//ESTs//1.4e-100:506:96//Hs.93391:AI188402
R-NT2RP2001226//EST//0.0074:154:63//Hs.128612:AA909358
R-NT2RP2001233//TESTs, Highly similar to ZINC FINGER PROTEIN ZFP-36 [Homo sapiens]//3.7e-65:538:80/
Hs.44014:AA632298
40 R-NT2RP2001245//ESTs//5.2e-90:447:97//Hs.14559:H92996
R-NT2RP2001268//Homo sapiens mRNA for KIAA0810 protein, partial cds//1.5e-112:544:97//Hs.7531:AB018353
R-NT2RP2001277//ESTs//2.0e-81:387:99//Hs.13751:AA908229
R-NT2RP2001290//ESTs//2.4e-91:501:92//Hs.12600:AA044775
R-NT2RP2001295//ESTs//1.4e-70:337:99//Hs.123854:AA412665
45 R-NT2RP2001312//ESTs//4.6e-53:276:95//Hs.7961:AA401205
R-NT2RP2001327//ESTs, Moderately similar to tumor necrosis factor-alpha-induced protein B12 [H.sapiens]//
2.3e-43:238:93//Hs.106632:N25679
R-NT2RP2001328//ESTs//5.1e-99:499:96//Hs.34868:AI341138
R-NT2RP2001347//ESTs//6.7e-05:100:77//Hs.9536:AA114178
50 R-NT2RP2001378//ESTs//4.2e-83:456:93//Hs.10554:N50028
R-NT2RP2001381//ESTs//1.1e-26:148:96//Hs.161859:AA444038
R-NT2RP2001392//ESTs, Weakly similar to MITOCHONDRIAL LON PROTEASE HOMOLOG PRECURSOR [H.
sapiens]//3.9e-74:411:93//Hs.47305:AA195153
R-NT2RP2001394//ESTs//9.5e-54:305:93//Hs.70256:R07875
55 R-NT2RP2001397//ESTs, Highly similar to G2/MITOTIC-SPECIFIC CYCLIN B2 [Mesocricetus auratus]//5.2e-97:
469:97//Hs.20483:AA522505
R-NT2RP2001420//ESTs//1.6e-49:228:88//Hs.163602:N32030
R-NT2RP2001423//ESTs//2.0e-37:190:99//Hs.101565:R35431

EP 1 074 617 A2

R-NT2RP2001427//EST//1.7e-1 1:107:84//Hs.148584:AI201728
 R-NT2RP2001436//ESTs, Weakly similar to F02D8.3 [C.elegans]//2.9e-114:558:97//Hs.7627:AI341556
 R-NT2RP2001440//EST//0.17:192:58//Hs.133442:AI061394
 R-NT2RP2001445//ESTs//1.1e-43:215:100//Hs.145497:AA501453
 5 R-NT2RP2001449//ESTs//4.1e-08:234:61//Hs.134067:AI076765
 R-NT2RP2001450//ESTs//9.5e-65:356:94//Hs.61829:AI079539
 R-NT2RP2001467//Small inducible cytokine A5 (RANTES)//1.2e-34:255:83//Hs.155464:AF088219
 R-NT2RP2001506//ESTs//2.9e-23:170:88//Hs.7147:T23513
 R-NT2RP2001511//ESTs//2.0e-08:59:100//Hs.57660:AA251146
 10 R-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1//6.7e-106:545:95//Hs.4277:Y14494
 R-NT2RP2001526//ESTs//3.7e-23:295:72//Hs.8514:AF039240
 R-NT2RP2001536//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds//1.9e-15:99:95//Hs.99742:AF035586
 15 R-NT2RP2001560//ESTs//2.2e-58:310:94//Hs.87454:AA732816
 R-NT2RP2001569//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//2.0e-76:387:96//Hs.67619:AB007957
 R-NT2RP2001576//Human mRNA for KIAA0105 gene, complete cds//0.17:193:60//Hs.119:D14661
 R-NT2RP2001581//ESTs//5.1e-08:107:78//Hs.157114:T58884
 20 R-NT2RP2001597//EST//5.2e-22:151:88//Hs.158613:AI369995
 R-NT2RP2001601//ESTs//1.5e-78:373:99//Hs.137558:AI393767
 R-NT2RP2001613
 R-NT2RP2001628//EST//0.99:195:60//Hs.144238:W52294
 R-NT2RP2001663//ESTs//4.0e-37:282:84//Hs.12319:W56090
 25 R-NT2RP2001677//ESTs//1.4e-44:232:96//Hs.159387:AI370845
 R-NT2RP2001678//ESTs//0.91:124:60//Hs.10593:AI201336
 R-NT2RP2001699//EST//0.0033:230:61//Hs.146544:AI125323
 R-NT2RP2001720//ESTs//1.8e-52:255:99//Hs.101064:AA290579
 R-NT2RP2001721//ESTs//7.0e-101:479:99//Hs.129750:AA987538
 30 R-NT2RP2001740//ESTs//3.3e-76:379:96//Hs.144704:AI147100
 R-NT2RP2001748//ESTs//1.4e-44:352:81//Hs.142259:AA828840
 R-NT2RP2001762//Homo sapiens exonuclease 1a (EXO1a) mRNA, complete cds//2.1e-105:519:96//Hs.47504:AF091754
 R-NT2RP2001813//ESTs//6.3e-78:406:95//Hs.21902:R44037
 35 R-NT2RP2001861
 R-NT2RP2001869//EST//2.8e-21:173:82//Hs.130321:AI002941
 R-NT2RP2001876//ESTs//6.1e-102:526:95//Hs.4944:AA533088
 R-NT2RP2001883//ESTs, Weakly similar to No definition line found [C.elegans]//6.9e-110:556:95//Hs.23159:AA113849
 40 R-NT2RP2001900//ESTs//6.9e-85:442:95//Hs.154220:AA171724
 R-NT2RP2001907//ESTs//2.1e-82:432:94//Hs.142257:AA188423
 R-NT2RP2001926//EST//2.3e-24:299:71//Hs.135085:AI097268
 R-NT2RP2001936//ESTs//1.1e-45:265:92//Hs.112482:T66087
 R-NT2RP2001943//EST//1.4e-05:246:61//Hs.144096:AI032180
 45 R-NT2RP2001946//ESTs//3.6e-87:410:99//Hs.20242:W72594
 R-NT2RP2001947//ESTs//1.9e-55:338:88//Hs.58582:T72588
 R-NT2RP2001969
 R-NT2RP2001976//ESTs//1.2e-98:499:95//Hs.121028:AA902745
 R-NT2RP2001985//ESTs, Weakly similar to GTPASE-ACTIVATING PROTEIN SPA-1 [M.musculus]//8.3e-15:118:89//Hs.18760:AA166678
 50 R-NT2RP2002025//ESTs//2.1e-82:393:98//Hs.159488:AI378233
 R-NT2RP2002032//ESTs//4.4e-98:531:91//Hs.93836:AA813332
 R-NT2RP2002033//ESTs//3.5e-43:229:96//Hs.30563:AA102627
 R-NT2RP2002041
 55 R-NT2RP2002046//ESTs//1.6e-101:476:99//Hs.101107:AA825938
 R-NT2RP2002047//ESTs//9.1e-85:431:95//Hs.116750:AA629895
 R-NT2RP2002058//ESTs//1.3e-31:163:99//Hs.33085:AA258068
 R-NT2RP2002066//ESTs//1.9e-87:459:93//Hs.118871:AA846091

5
10
15
20
25
30
35
40
45
50
55

5
10
15
20
25
30
35
40
45
50
55

R-NT2RP2002672
 R-NT2RP2002701//N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB//0.99:184:63//Hs.50727:U43572
 R-NT2RP2002706//EST//2.8e-41:148:86//Hs.161917:AA483223
 R-NT2RP2002710//EST//0.34:105:71//Hs.136747:AA749210
 5 R-NT2RP2002727//ESTs//8.7e-68:368:94//Hs.14366:T78626
 R-NT2RP2002736//ESTs//9.7e-98:457:99//Hs.74899:AA993300
 R-NT2RP2002740//Homo sapiens mRNA for KIAA0536 protein, partial cds//0.66:360:59//Hs.119139:AB011108
 R-NT2RP2002741//ESTs//3.1e-102:489:98//Hs.112024:AI042352
 R-NT2RP2002750//EST//3.6e-43:166:86//Hs.162404:AA573131
 10 R-NT2RP2002752//ESTs//5.0e-56:355:89//Hs.95867:M62042
 R-NT2RP2002753//ESTs//1.7e-49:262:96//Hs.49005:W89124
 R-NT2RP2002769//ESTs//1.3e-59:376:88//Hs.4046:H03587
 R-NT2RP2002778//Homo sapiens clone 24606 mRNA sequence//4.0e-65:341:94//Hs.17481:AF070537
 R-NT2RP2002800//ESTs//6.5e-08:79:84//Hs.153262:AA551124
 15 R-NT2RP2002839//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.6e-100:501:97//Hs.136202:AA206578
 R-NT2RP2002857//ESTs//4.3e-94:463:97//Hs.134292:AA603031
 R-NT2RP2002862//ESTs//2.3e-42:302:82//Hs.117969:H94870
 R-NT2RP2002880
 20 R-NT2RP2002891
 R-NT2RP2002925//ESTs//1.3e-103:564:92//Hs.142079:AA182894
 R-NT2RP2002928//ESTs//3.9e-108:502:99//Hs.29105:AA574143
 R-NT2RP2002929//ESTs//4.1e-106:499:99//Hs.44743:AA837096
 R-NT2RP2002954//ESTs//2.6e-88:417:99//Hs.100824:AI308771
 25 R-NT2RP2002959//ESTs//7.5e-101:489:97//Hs.32690:N57480
 R-NT2RP2002979//ESTs//5.4e-06:197:65//Hs.146726:AI147060
 R-NT2RP2002980//ESTs//1.0e-110:562:96//Hs.28444:AA083213
 R-NT2RP2002986//ESTs, Highly similar to RING CANAL PROTEIN [Drosophila melanogaster]//3.1e-119:578:97//Hs.106290:AI125291
 30 R-NT2RP2002987//Human mRNA for KIAA0331 gene, complete cds//1.0:78:74//Hs.146395:AB002329
 R-NT2RP2002993//ESTs, Weakly similar to DNA-DIRECTED RNA POLYMERASE II 140 KD POLYPEPTIDE [H.sapiens]//2.4e-98:467:98//Hs.86337:AA149311
 R-NT2RP2003000//ESTs//0.0070:400:61//Hs.138506:U85642
 R-NT2RP2003034//ESTs//9.3e-87:408:96//Hs.164042:H12594
 35 R-NT2RP2003073//Human transporter protein (g17) mRNA, complete cds//0.95:259:61//Hs.76460:U49082
 R-NT2RP2003099//Thromboxane A2 receptor//2.6e-42:328:81//Hs.89887:D38081
 R-NT2RP2003108//ESTs//2.3e-82:398:98//Hs.5105:AA115512
 R-NT2RP2003117//Human mRNA for KIAA0347 gene, complete cds//2.4e-49:336:86//Hs.101996:AB002345
 R-NT2RP2003121//ESTs//2.0e-75:380:96//Hs.133127:AA133355
 40 R-NT2RP2003125
 R-NT2RP2003129//EST//0.68:115:69//Hs.122196:AA780986
 R-NT2RP2003137//ESTs//2.1e-37:259:85//Hs.63169:N78506
 R-NT2RP2003161//ESTs//2.5e-88:451:96//Hs.29041:W37379
 R-NT2RP2003164//ESTs//4.3e-113:543:97//Hs.8980:AA629067
 45 R-NT2RP2003165//ESTs//6.9e-83:486:89//Hs.138632:H97952
 R-NT2RP2003177//ESTs//0.47:38:100//Hs.61790:AA421156
 R-NT2RP2003194//ESTs//4.7e-118:582:96//Hs.27266:AA053816
 R-NT2RP2003206//ESTs//0.032:388:58//Hs.122148:AA442074
 R-NT2RP2003230//ESTs//8.8e-103:478:99//Hs.40140:AI079253
 50 R-NT2RP2003237//ESTs//2.7e-76:392:96//Hs.106278:R37661
 R-NT2RP2003243//ESTs//3.6e-53:300:92//Rs.18793:AA192438
 R-NT2RP2003265//ESTs, Highly similar to protein NGD5 [M.musculus]//3.3e-110:557:96//Hs.24994:AA236937
 R-NT2RP2003272//ESTs, Weakly similar to F15C11.2 [C.elegans]//1.2e-34:228:89//Hs.107201:W52859
 R-NT2RP2003277//Homo sapiens mRNA for KIAA0625 protein, partial cds//1.4e-111:565:95//Hs.154919:AB014525
 55 R-NT2RP2003280//ESTs//2.6e-101:541:94//Hs.6982:AA622427
 R-NT2RP2003286//ESTs//1.2e-104:497:98//Hs.113052:AI222106
 R-NT2RP2003293//Human mRNA for KIAA0118 gene, partial cds//9.1e-44:458:74//Hs.154326:D42087

55

R-NT2RP2003777//ESTs//2.6e-59:323:94//Hs.10101:AI381811
 R-NT2RP2003781//ESTs//2.0e-25:269:75//Hs.144951:N34836
 R-NT2RP2003793//ESTs//8.7e-94:466:97//Hs.93949:AA782955
 R-NT2RP2003840//ESTs//3.4e-97:533:93//Hs.16130:AA195077
 5 R-NT2RP2003857//H.sapiens mRNA for G9a//2.8e-23:351:65//Hs.75196:X69838
 R-NT2RP2003859//ESTs//3.0e-07:96:81//Hs.153262:AA551124
 R-NT2RP2003871//ESTs//1.9e-102:509:97//Hs.25726:AA430167
 R-NT2RP2003885//ESTs//1.0e-102:502:97//Hs.36353:AA702341
 R-NT2RP2003912//EST//1.2e-38:336:76//Hs.134975:AI094611
 10 R-NT2RP2003952//Homo sapiens DNA-binding protein (CROC-1B) mRNA, complete cds//0.90:190:60//Hs.75875:U49278
 R-NT2RP2003968//Homo sapiens hUBP mRNA for ubiquitin specific protease, complete cds//7.6e-116:568:97//Hs.35086:AB014458
 R-NT2RP2003976//Homo sapiens mRNA for KIAA0447 protein, complete cds//3.6e-109:540:97//Hs.7302:AB007916
 15 R-NT2RP2003981//Homo sapiens mRNA for KIAA0804 protein, partial cds//2.5e-115:568:96//Hs.7316:AB018347
 R-NT2RP2003984
 R-NT2RP2003986//ESTs//4.9e-36:272:82//Hs.158268:AA738087
 R-NT2RP2003988//ESTs, Weakly similar to reverse transcriptase [H.sapiens]//3.2e-110:519:99//Hs.36093:AI149968
 20 R-NT2RP2004014//ESTs//8.4e-102:483:99//Hs.22867:AI417478
 R-NT2RP2004041
 R-NT2RP2004042//ESTs//1.5e-105:466:97//Hs.7296:N29706
 R-NT2RP2004042//ESTs//1.4e-110:559:96//Hs.71916:AA219699
 25 R-NT2RP2004081//ESTs//3.7e-105:503:98//Hs.27542:AA977204
 R-NT2RP2004098//EST//7.3e-26:203:87//Hs.21897:R41461
 R-NT2RP2004124//ESTs//1.1e-83:435:95//Hs.43299:N23036
 R-NT2RP2004142//EST//1.3e-06:165:65//Hs.146742:AI147500
 R-NT2RP2004152//ESTs//7.0e-98:455:100//Hs.17731:AI342241
 30 R-NT2RP2004165//ESTs, Highly similar to DYNEIN BETA CHAIN, CILIARY [Anthocidaris crassispina]//1.0e-118:583:97//Hs.16520:AI224533
 R-NT2RP2004170//ESTs//6.7e-66:407:88//Hs.157138:AI348544
 R-NT2RP2004172//ESTs//1.5e-109:567:95//Hs.159091:AA033974
 R-NT2RP2004187//ESTs//3.6e-92:488:93//Hs.22954:W26589
 35 R-NT2RP2004194//ESTs//6.2e-114:585:95//Hs.18778:AA203167
 R-NT2RP2004196
 R-NT2RP2004207//ESTs//6.3e-102:488:98//Hs.22678:AA604756
 R-NT2RP2004226//ESTs//8.8e-18:252:71//Hs.11924:W26972
 R-NT2RP2004232//ESTs, Highly similar to protein kinase C mu [H.sapiens]//5.2e-105:499:98//Hs.143460:AA483305
 40 R-NT2RP2004239//ESTs//1.2e-16:171:80//Hs.16134:AA203116
 R-NT2RP2004240//Homo sapiens antigen NY-CO-1 (NY-CO-1) mRNA, complete cds//3.4e-103:530:93//Hs.54900:AF039687
 R-NT2RP2004242//ESTs//1.3e-85:460:93//Hs.104535:AA211483
 45 R-NT2RP2004245//ESTs//6.4e-117:575:97//Hs.23744:AA035744
 R-NT2RP2004270//ESTs//1.0:95:69//Hs.141371:H92187
 R-NT2RP2004300//ESTs//4.4e-80:379:99//Hs.130874:AA905056
 R-NT2RP2004316//Homo sapiens EXT-like protein 2 (EXTL2) mRNA, complete cds//4.7e-110:544:96//Hs.61152:AF000416
 50 R-NT2RP2004321//ESTs//2.1e-18:104:99//Hs.107207:AA044788
 R-NT2RP2004339//EST//1.4e-47:309:86//Hs.161917:AA483223
 R-NT2RP2004347
 R-NT2RP2004364//ESTs//1.1e-113:566:96//Hs.25880:AI268173
 R-NT2RP2004365//ESTs//0.022:271:62//Hs.38897:AI129310
 55 R-NT2RP2004366//ESTs//9.5e-71:335:100//Hs.91867:AI218624
 R-NT2RP2004373//ESTs//4.2e-25:172:87//Hs.83243:N32192
 R-NT2RP2004389//ESTs, Highly similar to HYPOTHETICAL 70.7 KD PROTEIN F09G8.3 IN CHROMOSOME III [Caenorhabditis elegans]//1.4e-11:108:82//Hs.30490:AA146916

2227

R-NT2RP2004392//ESTs//3.4e-81:427:94//Hs.5827:AA581646
R-NT2RP2004396//EST//5.6e-06:100:77//Hs.138623:H92473
R-NT2RP2004399//EST//0.98:337:59//Hs.118446:N67900
R-NT2RP2004400//ESTs//2.1e-90:422:100//Hs.152460:AA602921
5 R-NT2RP2004412//ESTs//1.4e-105:503:98//Hs.15929:AA403121
R-NT2RP2004425//EST//0.00017:225:60//Hs.146935:A1168124
R-NT2RP2004476//ESTs//1.4e-88:477:94//Hs.4859:N29695
R-NT2RP2004490//Homo sapiens 3-phosphoinositide dependent protein kinase-1 (PKD1) mRNA, complete cds//
8.6e-34:143:98//Hs.154729:AF017995
10 R-NT2RP2004512//ESTs//2.6e-91:426:100//Hs.94133:A1270700
R-NT2RP2004523//ESTs//1.6e-74:377:97//Hs.14217:R61320
R-NT2RP2004538//Thromboxane A2 receptor//1.4e-45:279:89//Hs.89887:D38081
R-NT2RP2004551//ESTs//0.47:147:66//Hs.131519:A1024347
R-NT2RP2004568//ESTs//1.3e-107:567:94//Hs.65234:AA195470
15 R-NT2RP2004580//ESTs//5.9e-29:156:98//Hs.147801:A1221661
R-NT2RP2004587//ESTs//1.0e-102:495:97//Hs.91662:AA781126
R-NT2RP2004594//ESTs//4.1e-56:298:95//Hs.24641:AA954666
R-NT2RP2004600//ESTs//4.8e-67:374:93//Hs.49762:N69862
R-NT2RP2004602//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.5e-07:
20 149:76//Hs.12845:N28835
R-NT2RP2004614//ESTs//1.0e-111:557:96//Hs.37892:N53497
R-NT2RP2004655//Homo sapiens mRNA for leucine rich protein//2.4e-118:587:96//Hs.5198:AJ006291
R-NT2RP2004664//Homo sapiens mRNA for KIAA0460 protein, partial cds//5.9e-107:520:96//Hs.29956:
AB007929
25 R-NT2RP2004675//ESTs//2.7e-82:407:97//Hs.116113:F18930
R-NT2RP2004681//NUCLEOLIN//0.34:387:58//Hs.79110:M60858
R-NT2RP2004689//Homo sapiens mRNA for KIAA0625 protein, partial cds//5.0e-120:600:96//Hs.154919:
AB014525
30 R-NT2RP2004709//ESTs//1.1e-106:511:98//Hs.38034:A1149793
R-NT2RP2004710//ESTs//9.9e-87:477:93//Hs.6834:AA203433
R-NT2RP2004736//Homo sapiens mRNA for KIAA0478 protein, complete cds//1.3e-118:594:96//Hs.4236:
AB007947
R-NT2RP2004743//ESTs//2.1e-48:327:88//Hs.43635:AA447015
R-NT2RP2004767//EST//4.0e-57:328:81//Hs.142796:N51423
35 R-NT2RP2004775//ESTs//9.4e-60:326:94//Hs.115339:AA136774
R-NT2RP2004791//ESTs//3.2e-82:367:96//Hs.141911:N64013
R-NT2RP2004799//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds//
8.0e-116:564:96//Hs.40820:AF058953
40 R-NT2RP2004802//ESTs//6.5e-111:586:94//Hs.90375:W74579
R-NT2RP2004816//Homo sapiens H beta 58 homolog mRNA, complete cds//8.7e-120:584:97//Hs.67052:
AF054179
R-NT2RP2004841//EST//3.8e-31:323:74//Hs.147714:A1219906
R-NT2RP2004861//EST//0.92:147:63//Hs.23064:R20803
R-NT2RP2004897//ESTs//1.7e-46:390:80//Hs.139225:H96567
45 R-NT2RP2004936//EST//0.97:176:63//Hs.137436:AA280529
R-nnnnnnnnnnnn//ESTs//0.059:137:64//Hs.144109:A1345543
R-NT2RP2004961//ESTs//1.8e-87:409:100//Hs.138297:AA781941
R-NT2RP2004962//ESTs//0.0021:292:59//Hs.145917:A1275458
R-NT2RP2004967//Human mRNA for KIAA0118 gene, partial cds//7.4e-51:506:75//Hs.154326:D42087
50 R-NT2RP2004978//ESTs//0.95:138:63//Hs.13619:W93496
R-NT2RP2004982//ESTs//7.8e-95:468:97//Hs.22545:R43910
R-NT2RP2004985
R-NT2RP2004999//ESTs//2.9e-94:450:98//Hs.128766:A1419902
R-NT2RP2005000
55 R-NT2RP2005001//Homo sapiens mRNA for KIAA0615 protein, complete cds//9.6e-113:577:95//Hs.155972:
AB014515
R-NT2RP2005003//EST//1.3e-75:387:96//Hs.140843:R42235
R-nnnnnnnnnnnn//Homo sapiens SEC63 (SEC63) mRNA, complete cds//3.1e-116:568:97//Hs.31575:AF100141

R-NT2RP2005018//ESTs//7.5e-46:280:90//Hs.126857:AA932161
 R-NT2RP2005020//ESTs//1.6e-105:554:94//Hs.14846:AA148507
 R-NT2RP2005031//EST//3.1e-79:379:99//Hs.139709:AA227887
 R-NT2RP2005037//ESTs//5.3e-102:551:93//Hs.26516:AA195220
 5 R-NT2RP2005038//ESTs//5.8e-101:566:92//Hs.46964:N49757
 R-NT2RP2005108
 R-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds//2.7e-105:518:97//Hs.22616:AB014564
 R-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein)//4.6e-69:464:85//Hs.100555:X98743
 10 R-NT2RP2005139//ESTs//1.0e-108:545:95//Hs.21006:AA523383
 R-NT2RP2005140//ESTs//4.3e-90:422:99//Hs.62180:AI341261
 R-NT2RP2005144//ESTs//0.91:162:62//Hs.52399:AI075744
 R-NT2RP2005147//ESTs//4.6e-100:502:96//Hs.27931:AA633438
 15 R-NT2RP2005159//ESTs//7.5e-105:533:95//Hs.109819:AI357582
 R-NT2RP2005162//ESTs//6.6e-83:419:96//Hs.113998:H50648
 R-NT2RP2005168//Homo sapiens mRNA for EIB-55kDa-associated protein//2.4e-101:513:95//Hs.155218:AJ007509
 R-NT2RP2005204//ESTs, Weakly similar to UBIQUITIN-ACTIVATING ENZYME E1 HOMOLOG [H.sapiens]//1.9e-115:577:96//Hs.7600:H98166
 20 R-NT2RP2005227//Homo sapiens UM protein mRNA, complete cds//1.0e-45:359:82//Hs.154103:AF061258
 R-NT2RP2005239//ESTs, Highly similar to NIFS-LIKE 54.5 KD PROTEIN [Saccharomyces cerevisiae]//1.0e-47:245:97//Hs.21090:AA418587
 R-NT2RP2005254//ESTs//3.3e-111:581:94//Hs.22549:AA524503
 25 R-NT2RP2005270//ESTs, Highly similar to HYPOTHETICAL 67.6 KD PROTEIN ZK637.3 IN CHROMOSOME III [Caenorhabditis elegans]//1.1e-79:412:95//Hs.23047:N66596
 R-NT2RP2005276//ESTs//4.6e-85:426:96//Hs.24550:AA316272
 R-NT2RP2005287//ESTs//1.7e-109:565:94//Hs.61976:AI279001
 R-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds//2.4e-125:594:98//Hs.27007:AF060219
 30 R-NT2RP2005289//Homo sapiens mRNA for XPR2 protein//4.9e-112:545:96//Hs.44766:AJ007590
 R-NT2RP2005293//ESTs//5.1e-116:538:99//Hs.62180:AI341261
 R-NT2RP2005315//ESTs//1.4e-82:415:97//Hs.155829:AA018338
 R-NT2RP2005325//Human LIM-homeobox domain protein (hLH-2) mRNA, complete cds//2.5e-45:272:91//Hs.1569:U11701
 35 R-NT2RP2005336//ESTs//1.9e-93:444:99//Hs.110966:AA151699
 R-NT2RP2005 344//Homo sapiens GDP-L-fucose pyrophosphorylase (GFPP) mRNA, complete cds//0.011:463:58//Hs.150926:AF017445
 R-NT2RP2005354//ESTs//7.2e-22:148:91//Hs.153783:H14544
 40 R-NT2RP2005360//ESTs//0.048:225:60//Hs.7602:AA099247
 R-NT2RP2005393//Homo sapiens mRNA for KIAA0761 protein, partial cds//2.9e-41:248:82//Hs.93121:AB018304
 R-NT2RP2005407//ESTs, Weakly similar to OSH1 PROTEIN [Saccharomyces cerevisiae]//2.5e-75:461:88//Hs.70849:AA121697
 R-NT2RP2005436//ESTs, Weakly similar to HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II [C.elegans]//8.1e-96:491:95//Hs.7194:AI185631
 45 R-NT2RP2005441//ESTs//1.1e-110:548:96//Hs.5209:AA780068
 R-NT2RP2005453//ESTs//0.94:352:58//Hs.25870:H14423
 R-NT2RP2005457//ESTs//2.1e-46:236:97//Hs.19522:AA975096
 R-NT2RP2005464//ESTs//1.8e-72:349:99//Hs.44045:N51307
 50 R-NT2RP2005465//ESTs//0.0058:322:58//Hs.127009:AI378936
 R-NT2RP2005472//ESTs//0.47:309:60//Hs.144838:AI222019
 R-NT2RP2005476//ESTs//5.1 e-40:205:9811Hs.101577:AI168526
 R-NT2RP2005490//ESTs//L3e-70:364:96//Hs.134382:AA083573
 R-NT2RP2005491//EST//0.012:220:60//Hs.144448:AA812455
 55 R-NT2RP2005495//ESTs//1.2e-86:501:91//Hs.99445:R93540
 R-NT2RP2005496//ESTs//3.2e-34:263:81//Hs.70279:AA757426
 R-NT2RP2005498//ESTs, Highly similar to PROTEIN PHOSPHATASE PP2A, 55 KD REGULATORY SUBUNIT, NEURONAL ISOFORM [Oryctolagus cuniculus]//2.3e-45:284:88//Hs.85752:AI138993

- R-NT2RP2005501//ESTs//2.5e-84:404:98//Hs.143812:AI141755
 R-NT2RP2005509//ESTs, Highly similar to HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME I [Schizosaccharomyces pombe]//8.2e-36:215:92//Hs.5298:AA725071
 R-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds//3.2e-110:
 5 570:9411Hs.119023:AF092563
 R-NT2RP2005525//ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//1.3e-84:
 433:95//Hs.36942:AA524535
 R-NT2RP2005531//EST//0.98:64:70//Hs.146573:AI139856
 R-NT2RP2005539//Homo sapiens mRNA for NS1-binding protein (NS1-BP)//8.8e-108:560:94//Hs.159597:
 10 AJ012449
 R-NT2RP2005540//Homo sapiens mRNA for KIAA0494 protein, complete cds//1.7e-115:583:96//Hs.62515:
 AB007963
 R-NT2RP2005549//EST//0.61:111:62//Hs.147482:AI215572
 R-NT2RP2005555//ESTs//6.6e-108:507:99//Hs.68613:AI357567
 15 R-NT2RP2005557//ESTs//3.1e-105:495:99//Hs.105985:AA885169
 R-NT2RP2005581//ESTs//1.7e-79:445:92//Hs.138152:H03240
 R-NT2RP2005600//ESTs//1.3e-38:192:100//Hs.48329:W92733
 R-NT2RP2005605//ESTs//7.6e-87:409:99//Hs.45005:AA975060
 R-NT2RP2005620//ESTs//2.9e-96:463:97//Hs.7407:AI376788
 20 R-NT2RP2005622//ESTs//1.8e-104:497:98//Hs.22595:AA394229
 R-NT2RP2005637//EST//2.5e-20:163:71//Hs.161164:AI418211
 R-NT2RP2005640//ESTs//5.0e-99:473:98//Hs.23467:AA708740
 R-NT2RP2005645//ESTs//9.5e-23:231:77//Hs.5534:AA195173
 R-NT2RP2005651//ESTs, Highly similar to XFIN PROTEIN [Xenopus laevis]//2.9e-103:525:96//Hs.70589:
 25 AA868470
 R-NT2RP2005654//Insulin-like growth factor binding protein 2//0.94:223:60//Hs.162:X16302
 R-NT2RP2005669//Homo sapiens nitrilase 1 (VIII) mRNA, complete cds//2.7e-14:87:100//Hs.146406:AF069987
 R-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds//5.8e-91:434:98//
 Hs.25664:AF089814
 30 R-NT2RP2005683//ESTs//1.5e-98:494:96//Hs.22595:AA394229
 R-NT2RP2005690//ESTs//4.8e-43:286:86//Hs.150727:AI292236
 R-NT2RP2005694//EST//3.1e-82:386:100//Hs.149391:AI273643
 R-NT2RP2005701//ESTs, Highly similar to BUTYROPHILIN PRECURSOR [Bos tauros]//2.8e-68:376:93//Hs.
 9095:AA532630
 35 R-NT2RP2005712//Homo sapiens mRNA for KIAA0799 protein, partial cds//1.3e-105:503:98//Hs.61638:
 AB018342
 R-NT2RP2005719//ESTs, Weakly similar to GPI-anchored protein p137 precursor [H.sapiens]//5.4e-105:500:98//
 Hs.14298:AI417523
 R-NT2RP2005722//EST//6.5e-76:395:94//Hs.142150:AA223982
 40 R-NT2RP2005723//ESTs//1.5e-84:452:93//Hs.91753:R44455
 R-NT2RP2005726//ESTs//3.5e-64:500:82//Hs.100526:AI223153
 R-NT2RP2005741//ESTs//4.7e-60:333:93//Hs.107242:R40258
 R-NT2RP2005748//ESTs//3.4e-102:498:97//Hs.82660:N78064
 R-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds//4.3e-42:223:96//
 45 Hs.159651:AF068868
 R-NT2RP2005753//Homo sapiens l-1 receptor candidate protein mRNA, complete cds//1.2e-104:494:98//Hs.
 26285:AF082516
 R-NT2RP2005763//ESTs//1.1e-97:456:99//Hs.65412:AI362163
 R-NT2RP2005767//ESTs//8.0e-38:204:96//Hs.18460:AA193463
 50 R-NT2RP2005773//ESTs, Highly similar to PYRROLINE-5-CARBOXYLATE REDUCTASE [Homo sapiens]//5.4e-
 112:559:96//Hs.14214:AI189379
 R-NT2RP2005775//ESTs, Highly similar to NEUROLYSIN PRECURSOR [Sus scrofa]//3.0e-108:544:96//Hs.
 22151:AI214321
 R-NT2RP2005781//ESTs//1.7e-43:217:99//Hs.144391:AA365664
 55 R-NT2RP2005784//EST//0.0071:217:60//Hs.117332:AA699724
 R-NT2RP2005804//ESTs//8.8e-107:512:98//Hs.15496:W44398
 R-NT2RP2005812//ESTs//9.0e-76:359:99//Hs.113937:AI298746
 R-NT2RP2005815//ESTs//5.5e-76:363:99//Hs.136230:AA594981

R-NT2RP2005835//ESTs//1.5e-100:541:94//Hs.86813:N25122
 R-NT2RP2005841//ESTs//2.8e-105:556:92//Hs.69993:AA628403
 R-NT2RP2005853//EST//2.0e-13:219:70//Hs.134016:AI076062
 R-NT2RP2005857//ESTs//1.0e-115:576:96//Hs.30663:AI338462
 5 R-NT2RP2005859//ESTs//7.3e-116:571:97//Hs.85986:AA195105
 R-NT2RP2005868//EST//0.00023:320:61//Hs.149689:AI284133
 R-NT2RP2005890//ESTs//1.0e-96:466:98//Hs.122579:AA766315
 R-NT2RP2005901//ESTs//8.3e-116:548:98//Hs.66296:AI125268
 R-NT2RP2005908//ESTs, Weakly similar to weakly similar to gastrula zinc finger protein [C.elegans]//2.4e-73:397:
 10 94//Hs.16667:T92427
 R-NT2RP2005933//ESTs, Highly similar to nucleoporin p54 [R.norvegicus]//2.8e-114:560:97//Hs.9082:AA873170
 R-NT2RP2005942//ESTs//5.6e-117:582:96//Hs.146123:AI338419
 R-NT2RP2005980//ESTs//6.9e-101:478:98//Hs.43145:AA776988
 R-NT2RP2006023//Homo sapiens PYRIN (MEFV) mRNA, complete cds//8.5e-51:398:80//Hs.113283:AF018080
 15 R-NT2RP2006038//ESTs//0.025:284:59//Hs.97852:AA404347
 R-NT2RP2006043//ESTs, Weakly similar to HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II
 [C.elegans]//1.2e-50:278:94//Hs.7194:AI185631
 R-NT2RP2006052//ESTs//5.0e-52:272:95//Hs.99545:AA461492
 R-NT2RP2006069//ESTs//1.8e-90:495:93//Hs.43654:AA522714
 20 R-NT2RP2006071//ESTs//1.5e-38:218:94//Hs.107882:W72093
 R-NT2RP2006098//ESTs//2.9e-105:540:95//Hs.26860:N56918
 R-NT2RP2006100//Human organic anion transporting polypeptide (OATP) mRNA, complete cds//0.031:254:62//
 Hs.46440:U21943
 R-NT2RP2006103//ESTs//1.5e-86:416:98//Hs.152114:AA401365
 25 R-NT2RP2006141//ESTs//5.3e-88:432:98//Hs.77480:AA100522
 R-NT2RP2006166//Homo sapiens LIM protein mRNA, complete cds//2.8e-17:255:72//Hs.154103:AF061258
 R-NT2RP2006184//ESTs//8.4e-101:487:98//Hs.58009:W69435
 R-NT2RP2006186//Homo sapiens mRNA for KIAA0654 protein, partial cds//6.1e-110:553:95//Hs.109299:
 AB014554
 30 R-NT2RP2006196//Human clone 23960 mRNA sequence//0.0037:48:100//Hs.151293:U79276
 R-NT2RP2006200//ESTs//6.5e-77:398:96//Hs.163953:R01398
 R-NT2RP2006219//H.sapiens mRNA for DGCR6 protein//1.2e-94:532:90//Hs.153910:X96484
 R-NT2RP2006237//ESTs//1.2e-57:305:95//Hs.86149:AI341312
 R-NT2RP2006238//ESTs, Highly similar to rA8 [R.norvegicus]//1.5e-29:183:91//Hs.4048:AA404253
 35 R-NT2RP2006258//ESTs//3.2e-87:462:94//Hs.141556:N49928
 R-NT2RP2006261//ESTs//3.4e-57:3 26:92//Hs.22523:W02999
 R-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds//4.7e-96:481:97//Hs.3404:AF035262
 R-NT2RP2006320//EST//3.4e-21:335:65//Hs.141603:N66015
 R-NT2RP2006321//ESTs, Moderately similar to karyopherin beta 3 [H.sapiens]//1.9e-89:460:96//Hs.21889:
 40 N78664
 R-NT2RP2006323//ESTs//3.5e-91:439:98//Hs.61697:AI081771
 R-NT2RP2006333//ESTs//4.9e-38:301:82//Hs.155999:AA196412
 R-NT2RP2006334//EST//3.1e-45:264:91//Hs.149599:AI282321
 R-NT2RP2006365//ESTs//2.9e-81:417:95//Hs.11814:W44411
 45 R-NT2RP2006393//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//3.9e-48:403:
 77//Hs.1361:M55053
 R-NT2RP2006436//Homo sapiens mRNA for small GTP-binding protein, complete cds//1.4e-27:155:76//Hs.
 115325:D84488
 R-NT2RP2006441//ESTs//6.0e-108:529:97//Hs.101282:N45092
 50 R-NT2RP2006454//ESTs//9.2e-20:110:99//Hs.144687:AI341146
 R-NT2RP2006456//ESTs//7.1e-91:508:92//Hs.12488:W63595
 R-NT2RP2006464//Homo sapiens mRNA for AND-1 protein//2.1e-109:524:97//Hs.72160:AJ006266
 R-NT2RP2006467//EST//0.99:140:61//Hs.146958:AI174478
 R-NT2RP2006472//ESTs//3.3e-92:473:95//Hs.29216:AA916679
 55 R-NT2RP2006534//ESTs//1.2e-83:394:99//Hs.162116:AA524947
 R-NT2RP2006554//ESTs//1.0e-87:460:95//Hs.47095:AA181474
 R-NT2RP2006565//ESTs//3.2e-24:129:100//Hs.13499:AI299886
 R-NT2RP2006571//ESTs//2.6e-56:306:94//Hs.98370:AA316622

- R-nnnnnnnnnnnr//ESTs//2.0e-112:533:98//Hs.18685:AI393829
 R-NT2RP2006598//ESTs, Weakly similar to retinoid X receptor interacting protein [M.musculus]//4.1e-109:542:97//Hs.7889:AI337112
 R-NT2RP3000002//ESTs//1.3e-08:399:59//Hs.126044:AI301598
 5 R-NT2RP3000031//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//1.9e-116:560:97//Hs.6764:AJ011972
 R-NT2RP3000046//Small inducible cytokine A5 (RANTES)//1.9e-57:312:85//Hs.155464:AF088219
 R-NT2RP3000047//EST//0.91:130:66//Hs.140208:AA702213
 R-NT2RP3000050//ESTs, Weakly similar to putative p150 [H.sapiens]//3.1e-41:249:90//Hs.156155:AI222202
 10 R-NT2RP3000055//EST//2.4e-19:146:86//Hs.160497:AI255095
 R-NT2RP3000072//ESTs//2.2e-82:424:96//Hs.21542:N49574
 R-NT2RP3000080//ESTs//2.1e-29:186:89//Hs.153372:AA424029
 R-NT2RP3000085//ESTs//4.5e-101:482:98//Hs.47649:AA838715
 R-NT2RP3000109//ESTs//9.5e-97:455:99//Hs.17731:AI342241
 15 R-NT2RP3000134//EST//4.7e-106:497:99//Hs.125531:AA884000
 R-NT2RP3000142//Homo sapiens mRNA for KIAA0592 protein, partial cds//1.2e-116:578:96//Hs.13273:AB011164
 R-NT2RP3000149//ESTs//7.7e-62:361:90//Hs.6649:N93418
 R-NT2RP3000186
 20 R-NT2RP3000197//ESTs//1.5e-75:436:91//Hs.140931:R51882
 R-NT2RP3000207//ESTs//1.3e-98:468:98//Hs.126908:AA933091
 R-NT2RP3000220//ESTs//2.2e-27:144:99//Hs.106861:R61306
 R-NT2RP3000233//EST//7.8e-77:368:99//Hs.49075:N64817
 R-NT2RP3000235//ESTs//0.43:82:74//Hs.132828:AI032819
 25 R-NT2RP3000247//EST//2.2e-97:459:99//Hs.127928:AA969239
 R-NT2RP3000251
 R-NT2RP3000252//ESTs, Weakly similar to Lpg15p [S.cerevisiae]//2.0e-108:532:97//Hs.111086:AI379177
 R-NT2RP3000255//EST//0.67:93:67//Hs.120579:AA743073
 R-NT2RP3000267//ESTs//8.5e-108:542:95//Hs.24984:AA534446
 30 R-NT2RP3000299//ESTs, Weakly similar to enhancer of filamentation 1 [H.sapiens]//3.6e-103:516:96//Hs.4894:AI191323
 R-NT2RP3000312//ESTs//1.3e-100:493:97//Hs.29379:AI094117
 R-NT2RP3000320//ESTs//3.2e-95:538:91//Hs.118793:AA192438
 R-NT2RP3000324
 35 R-NT2RP3000333//ESTs//6.0e-39:194:100//Hs.119238:AA476267
 R-NT2RP3000341//ESTs//0.51:251:61//Hs.94090:AA777689
 R-NT2RP3000348//EST//1.8e-80:389:98//Hs.145944:AI276225
 R-NT2RP3000350//ESTs, Weakly similar to Lpg15p [S.cerevisiae]//3.1e-110:556:96//Hs.111086:AI379177
 R-NT2RP3000359//EST//4.9e-61:340:92//Hs.126495:AA913741
 40 R-NT2RP3000361//ESTs, Weakly similar to PRE-mRNA SPLICING FACTOR PRP6 [S.cerevisiae]//4.8e-91:439:97//Hs.31334:AI144423
 R-NT2RP3000366//EST//0.20:392:57//Hs.149652:AI283303
 R-NT2RP3000397//EST//8.7e-26:150:94//Hs.124617:AA855106
 R-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds//4.2e-111:529:98//Hs.28307:AF071185
 45 R-NT2RP3000418//EST//3.3e-09:202:67//Hs.117189:AA682947
 R-NT2RP3000433
 R-NT2RP3000439//ESTs//3.1e-79:426:92//Hs.26548:W26340
 R-NT2RP3000441//ESTs//6.3e-84:420:97//Hs.137482:AA421254
 50 R-NT2RP3000449//ESTs//4.9e-93:435:99//Hs.54617:AI379102
 R-NT2RP3000451//ESTs//2.3e-89:439:97//Hs.9196:AA748492
 R-NT2RP3000456//Homo Sapiens (clone B3B3E13) chromosome 4p16.3 DNA fragment//1.8e-23:347:70//Hs.114963:L34408
 R-NT2RP3000484//Heparin cofactor II//0.98:166:62//Hs.1478:M58600
 55 R-NT2RP3000487//ESTs//0.012:384:60//Hs.88684:AA885141
 R-NT2RP3000512//Homeo box B3//2.0e-69:377:93//Hs.49931:X16667
 R-NT2RP3000526//ESTs//1.6e-91:432:99//Hs.38042:AA187151
 R-NT2RP3000527//ESTs//1.2e-100:518:94//Hs.104557:AI078161

EP 1 074 617 A2

R-NT2RP3000531//ESTs, Weakly similar to TH1 protein [D.melanogaster]/0.95:85:71//Hs.5184:AA709151
R-NT2RP3000542//ESTs/2.6e-53:375:84//Hs.44158:N30180
R-NT2RP3000561//EST//1.1e-13:170:75//Hs.148421:AI198036
R-NT2RP3000562//Human mRNA for KIAA0233 gene, complete cds//0.97:141:68//Hs.79077:D87071
5 R-NT2RP3000578//ESTs/2.6e-68:324:100//Hs.5445:AA779447
R-NT2RP3000582//ESTS//2.1 e-25:131:80//Hs.152465:AA563785
R-NT2RP3000584//ESTs/1.8e-97:460:99//Hs.120698:AI241511
R-NT2RP3000590//ESTs/2.0e-97:453:100//Hs.105355:AA953817
R-NT2RP3000592//ESTs/2.8e-91:432:99//Hs.144304:AI190916
10 R-ntnnnnnnnnnnn//Human mRNA for KIAA0314 gene, partial cds//1.5e-09:447:58//Hs.155045:AB002312
R-NT2RP3000599//ESTs/3.8e-93:437:99//Hs.23971:AA829880
R-NT2RP3000605//ESTs/4.2e-111:554:96//Hs.40780:AA422049
R-NT2RP3000622//ESTs/2.0e-100:473:99//Hs.11387:AI127394
R-NT2RP3000624//ESTs, Weakly similar to KIAA0256 [H.sapiens]/5.4e-115:545:98//Hs.4857:AI090739
15 R-NT2RP3000628//Homo sapiens mRNA for KIAA0772 protein, complete cds//4.3e-49:397:80//Hs.15519:
AB018315
R-NT2RP3000632//ESTs, Moderately similar to cyclin-selective ubiquitin carrier protein [H.sapiens]/6.3e-92:434:
99//Hs.152517:AA719022
R-NT2RP3000644//ESTs/1.0e-44:306:84//Hs.155498:W27084
20 R-NT2RP3000661//ESTs/3.1e-95:470:97//Hs.126069:W76185
R-NT2RP3000665//ESTs/3.3e-95:503:94//Hs.34313:W81185
R-NT2RP3000685//ESTs/2.7e-99:515:94//Hs.9711:R60873
R-NT2RP3000690//ESTs/3.3e-88:414:99//Hs.1465 89:AI085578
R-NT2RP3000736
25 R-NT2RP3000742//ESTs, Highly similar to 1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODI-
ESTERASE DELTA 1 [Rattus norvegicus]/1.8e-07:114:75//Hs.136065:W21960
R-NT2RP3000753//ESTs/3.1e-99:461:100//Hs.150901:AI310447
R-NT2RP3000759//ESTs/2.0e-74:384:95//Hs.104222:AA207243
R-NT2RP3000815//ESTs/8.5e-97:455:99//Hs.158897:AI378583
30 R-NT2RP3000825//EST//0.0089:343:59//Hs.42897:N20810
R-NT2RP3000826//EST//3.4e-33:342:74//Hs.162236:AA551582
R-NT2RP3000836//ESTs/6.8e-24:181:84//Hs.134464:AI151081
R-NT2RP3000841//ESTs/4.5e-93:491:93//Hs.23618:H98082
R-NT2RP3000845//ESTs/2.4e-88:473:93//Hs.8312:AA813022
35 R-NT2RP3000847//ESTs/9.3e-89:460:95//Hs.154106:AI051657
R-NT2RP3000850
R-NT2RP3000852//Fibrillin 2//0.55:237:63//Hs.79432:U03272
R-NT2RP3000859//ESTs/1.4e-96:509:94//Hs.7187:AA576895
R-NT2RP3000865//EST//4.8e-23:461:66//Hs.162088:AA505741
40 R-NT2RP3000868//ESTs/5.4e-78:430:93//Hs.102796:N70837
R-NT2RP3000869//ESTs/8.5e-77:397:94//Hs.84484:AI014673
R-NT2RP3000875//Mevalonate kinase/3.8e-78:531:84//Hs.75138:M88468
R-NT2RP3000901//ESTs/2.1e-95:466:97//Hs.10647:AA428217
R-NT2RP3000904//ESTs/1.6e-79:380:99//Hs.100850:AA479385
45 R-NT2RP3000917//ESTs, Highly similar to mouse Dhml protein [M.musculus]/9.5e-113:566:96//Hs.5900:
AA035728
R-NT2RP3000919
R-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A/1.5e-25:375:71//Hs.2953:X84407
R-NT2RP3000980//ESTs/3.3e-72:364:96//Hs.9536:AA114178
50 R-NT2RP3000994//ESTs/3.5e 111:537:97//Hs.21146:AA683542
R-NT2RP3001004//ESTs/9.6e-91:456:96//Hs.58974:W87405
R-NT2RP3001007//ESTs/6.7e-99:482:97//Hs.117737:AI088029
R-NT2RP3001055//ESTs/0.0012:294:60//Hs.66479:AA863044
R-NT2RP3001057//ESTs, Highly similar to ZINC FINGER PROTEIN HF.12 [Homo sapiens]/5.6e-102:486:99//Hs.
55 145956:AA007349
R-NT2RP3001081//Retinal pigment epithelium-specific protein (65kD)/0.0012:447:58//Hs.2133:U18991
R-NT2RP3001084//ESTs/4.3e-102:528:96//Hs.25277:W87874
R-NT2RP3001096//ESTs//1.1e-110:540:96//Hs.42824:AA873182

- R-NT2RP3001107//ESTs//7.6e-100:478:98//Hs.99669:AA287832
R-nnnnnnnnnnnn/DNA polymerase gamma//0.0014:50:100//Hs.80961:U60325
R-NT2RP3001111//ESTs, Weakly similar to Trf-proximal protein [D.melanogaster]//3.2e-104:543:95//Hs.93796:
C06063
- 5 R-NT2RP3001113//ESTs//3.3e-100:467:99//Hs.97757:AA401575
R-NT2RP3001115//Oxytocin receptor//7.9e-30:505:67//Hs.2820:X64878
R-NT2RP3001116//ESTs//4.6e-41:229:96//Hs.58412:W74779
R-NT2RP3001119//ESTs//6.9e-88:478:92//Hs.19469:AA203180
R-NT2RP3001120//ESTs//3.1e-82:430:93//Hs.110956:AI190166
- 10 R-NT2RP3001126//ESTs//4.4e-52:264:96//Hs.25264:R78188
R-NT2RP3001133//ESTs//4.7e-105:541:94//Hs.73239:AA573761
R-NT2RP3001140/Homo sapiens mRNA for KIAA0762 protein, partial cds//2.6e-115:549:97//Hs.5378:AB018305
R-NT2RP3001147//ESTs, Highly similar to GTPASE ACTIVATING PROTEIN ROTUND [Drosophila melanogaster]
//9.6e-113:552:97//Hs.23900:U82984
- 15 R-NT2RP3001150//ESTs//2.9e-90:444:97//Hs.99601:AA760717
R-NT2RP3001155/Homo sapiens mRNA for AND-1 protein//9.4e-118:563:98//Hs.72160:AJ006266
R-NT2RP3001176//ESTs//1.8e-110:534:98//Hs.58650:AI074460
R-NT2RP3001214//ESTs//1.7e-109:545:96//Hs.24481:AA573139
R-NT2RP3001216//EST//0.00098:128:66//Hs.160493:AI254963
- 20 R-NT2RP3001221//EST//0.010:106:66//Hs.147774:AI221196
R-NT2RP3001232//ESTs//1.5e-101:518:94//Hs.21630:AA778399
R-NT2RP3001236//ESTs, Highly similar to KIAA0377 [H.sapiens]//2.8e-89:462:95//Hs.116793:AA779588
R-NT2RP3001239//ESTs, Moderately similar to NEURAXIN [Rattus norvegicus]//5.2e-82:466:91//Hs.66048:
AA524416
- 25 R-NT2RP3001245//EST//0.53:237:62//Hs.161131:AI417631
R-NT2RP3001253//ESTs//1.7e-105:535:96//Hs.42315:AI222997
R-NT2RP3001260//EST//0.16:144:62//Hs.126856:AA932135
R-NT2RP3001268/Human Aac11(aac11) mRNA, complete cds//0.12:494:59//Hs.151031:U83857
R-NT2RP3001272//ESTs//1.4e-92:436:99//Hs.149831:AI383965
- 30 R-NT2RP3001274//ESTs//3.9e-81:424:95//Hs.1113184:N25651
R-NT2RP3001281//EST//3.1e-60:298:98//Hs.149230:AI247332
R-NT2RP3001307//EST//0.42:215:62//Hs.126165:AA868691
R-NT2RP3001318//ESTs//4.1e-74:363:97//Hs.130832:H92571
R-NT2RP3001325//ESTs//1.7e-106:534:96//Hs.21214:H98989
- 35 R-NT2RP3001338/Human protein tyrosine phosphatase sigma mRNA, complete cds//0.22:199:63//Hs.159534:
U35234
R-NT2RP3001339/Homo sapiens mRNA for KIAA0451 protein, complete cds//3.9e-114:566:96//Hs.18586:
AB007920
- 40 R-NT2RP3001340//ESTs//1.1e-72:411:92//Hs.21135:W81653
R-NT2RP3001355//ESTs//9.0e-103:521:95//Hs.99486:AA776798
R-NT2RP3001374//ESTs//2.7e-82:395:98//Hs.117102:AA993090
R-NT2RP3001383//ESTs//3.6e-10:118:78//Hs.111055:AA169778
R-NT2RP3001384//ESTs, Weakly similar to A-kinase anchor protein 95, AKAP95 [R.norvegicus]//5.7e-92:522:90//
Hs.96200:AA218942
- 45 R-NT2RP3001392//ESTs//5.9e-62:296:100//Hs.125034:AA907375
R-NT2RP3001396//ESTs//3.7e-111:528:98//Hs.22612:AA152232
R-NT2RP3001398//ESTs//2.6e-94:449:99//Hs.146332:AI276628
R-NT2RP3001399//ESTs//2.6e-82:401:97//Hs.7932:AI041186
R-NT2RP3001407//ESTs//2.2e-101:488:97//Hs.71573:AA496898
- 50 R-NT2RP3001420//EST//7.4e-44:394:79//Hs.137041:AA877817
R-NT2RP3001426/Homo sapiens clone 24616 mRNA sequence//3.6e-106:550:94//Hs.6957:AF052158
R-NT2RP3001427//ESTs//1.3e-87:374:97//Hs.5457:H05692
R-nnnnnnnnnnnn/Neurotrophic tyrosine kinase, receptor, type 1//4.7e-96:533:91//Hs.85844:X66397
R-NT2RP3001432//ESTs//1.9e-102:523:95//Hs.132978:AI041374
- 55 R-NT2RP3001447//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//5.1e-
101:482:98//Hs.124135:AA910560
R-NT2RP3001449//ESTs//2.2e-99:502:96//Hs.7834:N45994
R-NT2RP3001453/Small inducible cytokine A5 (RANTES)//8.1e-45:295:85//Hs.155464:AF088219

EP 1 074 617 A2

R-NT2RP3001457//ESTs//1.5e-52:256:99//Hs.117982:AA644658
 R-NT2RP3001459//ESTs//3.4e-62:299:99//Hs.146098:AA167280
 R-NT2RP3001472//ESTs//4.8e-108:540:96//Hs.69594:N37009
 R-NT2RP3001490//ESTs//3.5e-91:549:88//Hs.6606:AA211783
 5 R-NT2RP3001495//Human oxidoreductase (HHCMA56) mRNA, complete cds//1.4e-61:338:93//Hs.519:U13395
 R-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds//
 6.8e-112:549:9711Hs.28285:AF064801
 R-NT2RP3001527//ESTs//4.4e-105:543:95//Hs.158761:AA631047
 R-NT2RP3001529//Homo sapiens tapasin (NGS-17) mRNA, complete cds//7.9e-59:427:83//Hs.5247:AF029750
 10 R-NT2RP3001538//ESTs//1.6e-94:521:92//Hs.6846:AA209463
 R-NT2RP3001554//ESTs, Moderately similar to NEURAXIN [Rattus norvegicus]//2.8e-76:392:95//Hs.66048:
 AA524416
 R-NT2RP3001580//ESTs//3.7e-82:398:98//Hs.23490:N49477
 R-NT2RP3001587//Homa sapiens mRNA for HRIHFB2115, partial cds//1.8e-09:86:88//Hs.4311:AB015337
 15 R-NT2RP3001589//ESTs//0.0029:243:62//Hs.158924:AA605194
 R-NT2RP3001607//EST//0.00096:76:78//Hs.140319:AA748328
 R-NT2RP3001608//ESTs//3.8e-105:525:96//Hs.144655:AI279798
 R-NT2RP3001621//ESTs//3.3e-108:535:97//Hs.47378:AI193598
 R-NT2RP3001629
 20 R-NT2RP3001634//Homo sapiens TRIAD1 type I mRNA, complete cds//2.7e-109:541:96//Hs.9899:AF099149
 R-NT2RP3001642//ESTs//6.0e-105:525:96//Hs.3376:AA915989
 R-NT2RP3001646//ESTs//4.8e-95:523:92//Hs.64036:AA127709
 R-NT2RP3001671//ESTs//0.0013:367:60//Hs.106090:AA457030
 R-NT2RP3001672//ESTs//3.4e-37:191:98//Hs.57475:AI382189
 25 R-NT2RP3001676//ESTs//1.5e-81:408:97//Hs.142547:N67648
 R-NT2RP3001678//ESTs//4.3e-85:405:99//Hs.121915:AI268225
 R-NT2RP3001679//ESTs//3.4e-100:545:93//Hs.5943:AI222558
 R-NT2RP3001688//Human mRNA for KIAA0392 gene, partial cds//8.6e-46:301:87//Hs.40100:AB002390
 R-NT2RP3001690//ESTs//3.3e-111:542:97//Hs.86149:AI341312
 30 R-NT2RP3001708//ESTs//1.4e-96:349:95//Hs.17975:AA868618
 R-NT2RP3001712//ESTs//9.3e-14:102:92//Hs.78041:N29669
 R-NT2RP3001716//ESTs, Highly similar to BONE MORPHOGENETIC PROTEIN 1 PRECURSOR [Mus musculus]
 //4.1e-80:444:91//Hs.6823:W18181
 R-NT2RP3001724//ESTs//1.8e-109:547:96//Hs.14570:AI422099
 35 R-NT2RP3001730//ESTs//4.1e-98:528:92//Hs.155115:AA669923
 R-NT2RP3001739//ESTs//4.4e-87:444:94//Hs.27239:W27810
 R-NT2RP3001752//ESTs//6.1e-93:490:94//Hs.4210:AA740440
 R-NT2RP3001753//ESTs//2.5e-82:395:99//Hs.126435:AA912968
 R-NT2RP3001764//ESTs, Weakly similar to protein-tyrosine phosphatase [H.sapiens]//1.2e-87:450:96//Hs.20281:
 40 N92517
 R-NT2RP3001777//ESTs//1.1e-86:360:97//Hs.100530:H06725
 R-NT2RP3001782//Homo sapiens mRNA for KIAA0459 protein, partial cds//4.2e-113:549:97//Hs.28169:
 AB007928
 R-NT2RP3001792//ESTs, Weakly similar to F35C12.2 [C.elegans]//1.1e-21:119:99//Hs.44268:AA455900
 45 R-NT2RP3001799//OX40L RECEPTOR PRECURSOR//2.8e-45:374:79//Hs.129780:X75962
 R-NT2RP3001819//ESTs//2.6e-87:432:96//Hs.10414:AI291292
 R-NT2RP3001844//ESTs//0.024:128:67//Hs.25131:N50117
 R-NT2RP3001854//ESTs//1.4e-92:490:92//Hs.15165:N52900
 R-NT2RP3001855//ESTs//1.9e-66:361:93//Hs.10043:D81792
 50 R-NT2RP3001896//ESTs//1.4e-96:343:97//Hs.24809:N73642
 R-NT2RP3001898//ESTs//4.1e-90:515:91//Hs.4867:AA521180
 R-NT2RP3001915//ESTs//4.4e-32:175:95//Hs.24641:AA954666
 R-NT2RP3001926//ESTs, Highly similar to NUCLEOLYSIN TIA-1 [Homo sapiens]//1.0e-40:202:100//Hs.24709:
 AI123300
 55 R-NT2RP3001929//ESTs//6.6e-84:449:94//Hs.26962:AA682781
 R-NT2RP3001931//ESTs//1.0e-41:214:99//Hs.32360:AA534737
 R-NT2RP3001938//ESTs, Highly similar to SPORULATION-SPECIFIC PROTEIN 1 [Saccharomyces cerevisiae]
 //1.3e-95:483:96//Hs.5771:W74591

R-NT2RP3001943//ESTs//1.2e-3:169:88//Hs.103305:AA160990
R-NT2RP3001944//ESTs//2.0e-90:439:97//Hs.103380:AI291325
R-NT2RP3001969//ESTs//0.95:133:65//Hs.131669:AI025889
R-NT2RP3001989//ESTs, Weakly similar to C01A2.4 [C.elegans]//8.9e-64:310:99//Hs.11449:AI201540
5 R-NT2RP3002002//ESTs//2.1e-95:562:89//Hs.5997:AA897088
R-NT2RP3002004//H.sapiens mRNA for FAST kinase//1.6e-42:335:82//Hs.75087:X86779
R-NT2RP3002007//ESTs//0.12:184:66//Hs.94030:AA846729
R-NT2RP3002014//Small inducible cytokine A5 (RANTES)//6.8e-47:291:89//Hs.155464:AF088219
R-NT2RP3002033
10 R-NT2RP3002045//ESTs//1.0e-92:555:88//Hs.106411:W29081
R-NT2RP3002054//EST//0.45:155:63//Hs.5656:D20426
R-NT2RP3002056//ESTs//1.4e-95:504:93//Hs.17428:AI365221
R-NT2RP3002057//Human mRNA for KIAA0152 gene, complete cds//0.69:127:66//Hs.90438:D63486
R-NT2RP3002062
15 R-ntnnnnnnnnnnn//ESTs//2.1e-113:552:97//Hs.9591:AA069657
R-NT2RP3002081//ESTs//5.5e-43:212:100//Hs.124852:AA969139
R-NT2RP3002097//EST//2.3e-10:80:91//Hs.102717:N59148
R-NT2RP3002102
R-NT2RP3002108
20 R-NT2RP3002146//ESTs//5.5e-58:296:97//Hs.65328:AA625385
R-NT2RP3002147//EST//2.5e-53:387:81//Hs.147928:M249703
R-NT2RP3002151//ESTs, Highly similar to G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG [Homo sapiens]//6.2e-107:534:96//Hs.59523:AA602837
R-NT2RP3002163//ESTs//2.7e-106:520:97//Hs.21258:AA412293
25 R-NT2RP3002165//ESTs//7.4e-93:479:95//Hs.27299:AI074024
R-NT2RP3002166//ESTs//1.0:261:59//Hs.132817:AA593713
R-NT2RP3002173//ESTs//2.7e-93:512:92//Hs.23648:H07120
R-NT2RP3002181//ESTs//1.0e-84:435:96//Hs.47378:AI193598
R-NT2RP3002244//ESTs//2.7e-11:97:89//Hs.9412:W72446
30 R-NT2RP3002248//ESTs//4.3e-90:459:95//Hs.9848:AA130588
R-NT2RP3002255//ESTs//1.3e-45:289:88//Hs.9100:AA431672
R-NT2RP3002273//ESTs//2.3e-100:489:97//Hs.8258:AA744743
R-NT2RP3002276//ESTs//1.2e-50:306:91//Hs.16160:AA778171
R-NT2RP3002303//ESTs//1.1e-67:323:99//Hs.129761:AA836898
35 R-NT2RP3002304//ESTs//2.8e-86:405:99//Hs.29643:AA418500
R-NT2RP3002330//ESTs, Weakly similar to G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG [H.sapiens] //1.8e-19:136:87//Hs.106928:AI041737
R-NT2RP3002343//ESTs//1.0e-42:260:93//Hs.7797:W25667
R-NT2RP3002351//Homo sapiens 9G8 splicing factor mRNA, complete cds//0.0048:221:64//Hs.556:L41887
40 R-NT2RP3002352//Homo sapiens mRNA for protein encoded by cxorf5 (71-7A) gene//5.8e-105:516:94//Hs.6483:Y16355
R-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds//1.5e-103:524:95//Hs.12707:AB014578
R-NT2RP3002484//Human APRT gene for adenine phosphoribosyltransferase//0.54:108:71//Hs.28914:Y00486
45 R-NT2RP3002501//ESTs//2.7e-96:489:95//Hs.27335:N74185
R-NT2RP3002512//ESTs, Weakly similar to HYPOTHETICAL 31.0 KD PROTEIN R107.2 IN CHROMOSOME III [C.elegans]//3.2e-90:526:90//Hs.8083:AA521436
R-NT2RP3002529//ESTs, Highly similar to PUTATIVE VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN C2G11.03C [Schizosaccharomyces pombe]//3.8e-101:497:96//Hs.6650:AA843246
50 R-NT2RP3002545//Homo sapiens mRNA for KIAA0729 protein, partial cds//1.1e-83:438:94//Hs.19542:AB018272
R-NT2RP3002549//ESTs//3.8e-98:493:96//Hs.7358:AA191673
R-NT2RP3002566//Homo sapiens calcium-activated potassium channel (KCNN3) mRNA, complete cds//0.14:184:63//Hs.89230:AF031815
R-NT2RP3002587//Homo sapiens KIAA0420 mRNA, complete cds//2.0e-18:138:78//Hs.129883:AB007880
55 R-NT2RP3002590//ESTs//2.9e-51:290:93//Hs.162942:AI243850
R-NT2RP3002602//Homo sapiens stannin mRNA, complete cds//5.5e-06:58:100//Hs.76691:AF070673
R-NT2RP3002603
R-NT2RP3002631//ESTs//4.8e-54:367:85//Hs.13109:AA192514

EP 1 074 617 A2

R-NT2RP3002659//ESTs//5.3e-30:229:85//Hs.152114:AA401365
 R-NT2RP3002660//ESTs//1.9e-88:452:95//Hs.120146:AA708573
 R-NT2RP3002663//EST//3.2e-89:469:95//Hs.105767:AA525172
 5 R-NT2RP3002671//ESTs, Highly similar to ELONGATION FACTOR 2 [*Drosophila melanogaster*]/5.9e-109:537:97//Hs.19348:AA151678
 R-NT2RP3002682//ESTs//2.3e-98:541:91//Hs.75844:AA115502
 R-NT2RP3002687//ESTs//5.5e-103:498:97//Hs.72782:AA910871
 R-NT2RP3002688//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]/5.0e-101:524:95//Hs.32580:AI123601
 10 R-NT2RP3002701//EST//0.87:131:63//Hs.161916:AA483169
 R-NT2RP3002713//ESTs//4.7e-106:542:95//Hs.14479:AA160945
 R-NT2RP3002763//ESTs//1.3e-54:290:94//Hs.142031:AA809159
 R-NT2RP3002770//ESTs//0.047:275:61//Hs.122984:AA526973
 R-NT2RP3002785//ESTs//2.4e-52:255:99//Hs.132959:AI376958
 15 R-NT2RP3002799//EST//8.2e-61:321:94//Hs.140992:R71377
 R-NT2RP3002810//EST//0.19:116:68//Hs.121810:AA775240
 R-NT2RP3002818//ESTs//1.3e-109:531:98//Hs.58924:AI348080
 R-NT2RP3002861//ESTs//2.5e-84:429:95//Hs.23920:AA909678
 R-NT2RP3002869//EST//0.00011:116:71//Hs.161606:AA019641
 20 R-NT2RP3002876//ESTs//0.0024:182:63//Hs.117306:AA687262
 R-NT2RP3002877//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds//8.1e-14:146:72//Hs.129727:AF035587
 R-NT2RP3002909//Homo sapiens mRNA for KIAA0771 protein, partial cds//1.5e-110:570:95//Hs.6162:AB018314
 R-NT2RP3002911//ESTs//3.6e-92:436:99//Hs.143917:AI206286
 25 R-NT2RP3002948//EST//1.0:102:65//Hs.144730:AI191975
 R-NT2RP3002953//ESTs//1.8e-107:513:98//Hs.119693:AI201698
 R-NT2RP3002955//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0492//0.23:563:56//Hs.127338:AB007961
 R-NT2RP3002969//ESTs, Weakly similar to LONG-CHAIN-FATTY-ACID--COA LIGASE 1 [*Saccharomyces cerevisiae*]/112.0e-56:387:86//Hs.144597:W20143
 30 R-NT2RP3002972//ESTs//1.7e-97:502:96//Hs.7274:AA476850
 R-NT2RP3002978//ESTs//8.6e-104:498:98//Hs.118923:AA252116
 R-NT2RP3002988//EST//1.2e-59:315:94//Hs.157743:AI360553
 R-NT2RP3003008//ESTs//1.4e-97:515:94//Hs.6544:AA524423
 35 R-NT2RP3003032//ESTs, Weakly similar to RETROVIRUS-RELATED POL POLYPROTEIN [*Mus musculus*]/3.0e-100:528:94//Hs.90353:N98551
 R-NT2RP3003059//ESTs//1.7e-76:398:95//Hs.102971:W05355
 R-NT2RP3003061//ESTs//4.9e-82:414:96//Hs.99603:AI141912
 R-NT2RP3003068//ESTs, Weakly similar to M18.3 [*C.elegans*]/5.9e-83:392:99//Hs.101364:AA534439
 40 R-NT2RP3003071//ESTs//6.3e-85:399:99//Hs.109755:AA180809
 R-NT2RP3003078//ESTs//1.0e-98:471:99//Hs.7995:AI359466
 R-NT2RP3003101//EST//0.032:235:60//Hs.147920:AI202441
 R-NT2RP3003121//ESTs//3.0e-47:238:97//Hs.43559:AI003520
 R-NT2RP3003133//EST//1.5e-77:395:96//Hs.142150:AA223982
 45 R-NT2RP3003138//ESTs, Highly similar to KINESIN-LIKE PROTEIN KIF4 [*Mus musculus*]/3.3e-107:535:96//Hs.27437:AA004208
 R-NT2RP3003139//ESTs//2.5e-106:504:98//Hs.106795:AI271632
 R-NT2RP3003150//ESTs//1.6e-99:539:91//Hs.46500:AA129774
 R-NT2RP3003157//ESTs//1.5e-114:563:97//Hs.58608:AA081007
 50 R-NT2RP3003185//ESTs//3.9e-93:443:98//Hs.9741:AI131226
 R-NT2RP3003193//ESTs//2.0e-37:428:71//Hs.33354:AA179944
 R-NT2RP3003197//ESTs//5.8e-56:312:94//Hs.7016:AA215796
 R-NT2RP3003203//EST//0.0073:212:63//Hs.161355:AI422634
 R-NT2RP3003204//ESTs//7.4e-52:253:99//Hs.120146:AA708573
 55 R-NT2RP3003212//ESTs//1.8e-76:401:95//Hs.29067:N26107
 R-NT2RP3003230//ESTs, Highly similar to CORONIN [*Dictyostelium discoideum*]/2.0e-40:229:93//Hs.17377:AI078151
 R-NT2RP3003242//ESTs//8.3e-97:458:99//Hs.23057:AI290343

EP 1 074 617 A2

R-NT2RP3003251//ESTs//1.5e-60:320:95//Hs.36495:AA151628
 R-NT2RP3003264//ESTs//2.1e-103:521:95//Hs.4094:AA173960
 R-NT2RP3003278//ESTs//8.2e-109:536:96//Hs.23788:AA524061
 R-NT2RP3003282//Homo sapiens dynamin (DNM) mRNA, complete cds//2.4e-102:550:93//Hs.11702:L36983
 5 R-NT2RP3003290//EST//4.3e-27:372:70//Hs.159131:AI384035
 R-NT2RP3003301//ESTs//4.4e-56:285:97//Hs.95370:AA601055
 R-NT2RP3003302//EST//7.2e-10:395:63//Hs.162554:AA584818
 R-NT2RP3003311//ESTs//4.2e-110:538:97//Hs.62180:AI341261
 R-NT2RP3003313//ESTs//2.1e-106:531:96//Hs.22630:C05931
 10 R-NT2RP3003327//ESTs//4.3e-102:518:95//Hs.120355:AA625445
 R-NT2RP3003330//ESTs//8.6e-104:497:97//Hs.72071:AI125289
 R-NT2RP3003344//ESTs//2.5e-105:494:99//Hs.112188:AA872993
 R-NT2RP3003346//ESTs//1.0:123:69//Hs.116029:AA813102
 R-NT2RP3003353//EST//0.0014:162:68//Hs.149191:AI246155
 15 R-NT2RP3003377//EST//4.5e-15:119:85//Hs.148129:AA885567
 R-NT2RP3003384//EST//0.0057:86:74//Hs.127735:AA962272
 R-NT2RP3003385//ESTs//0.64:347:59//Hs.5646:W72721
 R-NT2RP3003403//ESTs, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [H.sapiens]//2.2e-24:418:67//Hs.139488:AI124095
 20 R-NT2RP3003409//ESTs//5.3e-98:479:97//Hs.155198:AA767372
 R-NT2RP3003411//ESTs//4.8e-86:416:97//Hs.129059:AA126041
 R-NT2RP3003427//ESTs//7.4e-103:510:96//Hs.25303:AA641023
 R-NT2RP3003433//ESTs//3.5e-85:405:99//Hs.63131:AA664156
 R-NT2RP3003464//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//3.6e-97:479:96//Hs.14934:
 25 AF004828
 R-NT2RP3003490//Homo sapiens mRNA for KIAA0725 protein, partial cds//4.1e-102:527:93//Hs.26450:AB018268
 R-NT2RP3003491//ESTs, Weakly similar to No definition line found [C.elegans]//4.0e-106:549:94//Hs.7886:AI057529
 30 R-NT2RP3003500//Human RP3 mRNA, complete cds//0.66:401:60//Hs.75307:U02556
 R-NT2RP3003543//Human clone A9A2BRB7 (CAC)n/(GTG)n repeat-containing mRNA//4.1e-33:217:88//Hs.8068:U00952
 R-NT2RP3003552//ESTs//3.1e-106:546:94//Hs.101754:AI123430
 R-NT2RP3003555//ESTs//3.4e-106:537:95//Hs.85550:AA187681
 35 R-NT2RP3003564
 R-NT2RP3003572//ESTs//1.2e-20:122:88//Hs.8253:N48721
 R-NT2RP3003576//ESTs//2.7e-71:394:94//Hs.151136:R99944
 R-NT2RP3003589//EST//0.58:242:59//Hs.130804:AA894759
 R-NT2RP3003625//ESTs//7.6e-41:349:80//Hs.140608:N53448
 40 R-NT2RP3003656//Human LIM protein (LPP) mRNA, partial cds//0.26:222:60//Hs.17217:U49957
 R-NT2RP3003659//ESTs//2.0e-113:547:97//Hs.23389:AA769310
 R-NT2RP3003665//ESTs//1.6e-80:415:95//Hs.141084:H11714
 R-NT2RP3003672
 R-NT2RP3003686//ESTs//6.8e-114:552:97//Hs.43299:N23036
 45 R-NT2RP3003701//ESTs//2.1e-16:282:66//Hs.115512:AI208768
 R-NT2RP3003716//ESTs//2.1e-45:195:91//Hs.41296:N71923
 R-NT2RP3003726//Homo sapiens mRNA for KIAA0757 protein, complete cds//5.6e-103:492:97//Hs.48513:AB018300
 R-NT2RP3003746//ESTs//1.9e-85:411:98//Hs.54835:AI050863
 50 R-NT2RP3003795//EST//6.2e-97:459:99//Hs.134769:AI089747
 R-NT2RP3003799//ESTs//2.8e-62:337:94//Hs.124023:H18913
 R-NT2RP3003800//PROTO-ONCOGENE TYRO SINE-PROTEIN KINASE SRC//8.9e-108:551:95//Hs.115742:AF077754
 R-NT2RP3003805//ESTs//2.2e-103:490:99//Hs.9412:W72446
 55 R-NT2RP3003809//ESTs, Highly similar to SAV PROTEIN [Sulfolobus acidocaldarius]//3.4e-89:456:95//Hs.5555:AI285198
 R-NT2RP3003819//Interleukin 10//3.3e-43:173:89//Hs.2180:M57627
 R-NT2RP3003825//ESTs//1.6e-66:485:80//Hs.7405:W27761

EP 1 074 617 A2

C-OVARC1001360
 C-OVARC1001381//Homo sapiens mRNA for candidate tumor suppressor involved in B-CLL//6E-148//683bp//
 99%//AJ224819
 C-OVARC1001425
 5 C-PLACE1000005
 C-PLACE1000066//SSU72 PROTEIN//1.1E-39//206aa//43%//P53538
 C-PLACE1000142//3-HYDROXYBUTYRYL-COA DEHYDRATASE (EC 4.2.1.55) (CROTONASE)//2.8E-29//
 134aa//43%//P52046
 C-PLACE1000184//Homo sapiens mRNA for KIAA0832 protein, complete cds//5.5e-312//1411bp//99%//
 10 AB020639
 C-PLACE1000185
 C-PLACE1000213//Homo sapiens mRNA for KIAA0977 protein, complete cds//0//1904bp//99%//AB023194
 C-PLACE1000347
 C-PLACE1000374
 15 C-PLACE1000380//Homo sapiens mRNA for KIAA0853 protein, partial cds//0//2208bp//99%//AB020660
 C-PLACE1000383//Homo sapiens mRNA for MTMR1 protein//0//753bp//99%//AJ224979
 C-PLACE1000401//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN)//2.7E-30//352aa//31%//
 P15151
 C-PLACE1000406//PTB-ASSOCIATED SPLICING FACTOR (PSF)//1.2E-132//334aa//72%//P23246
 20 C-PLACE1000420//7.8-DIHYDRO-8-OXOGUANINE TRIPHOSPHATASE (EC 3.1.6.-) (8-OXO-DGTPASE)//
 0.0000028//134aa//29%//P53368
 C-PLACE1000435
 C-PLACE1000444
 C-PLACE1000562
 25 C-PLACE1000564
 C-PLACE1000588//INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (GUANINE NUCLEOTIDE-
 BINDING PROTEIN 1)//1.6E-270//437aa//86%//P32455
 C-PLACE1000596//Homo sapiens mRNA for KIAA0850 protein, complete cds//0//2393bp//99%//AB020657
 C-PLACE1000611//Rattus norvegicus neural membrane protein 35 mRNA, complete cds//2E-55//779bp//67%//
 30 AF044201
 C-PLACE1000636//MALE STERILITY PROTEIN 2//1.2E-39//261aa//27%//Q08891
 C-PLACE1000716
 C-PLACE1000748
 C-PLACE1000755//Homo sapiens mRNA for Helicase-MOI, complete-cds//4.6E-250//1189bp//97%//AB028449
 35 C-PLACE1000785//Homo sapiens mRNA for KIAA0648 protein, partial cds//0//2002bp//99%//AB014548
 C-PLACE1000798
 C-PLACE1000863//PUTATIVE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN
 YHR148W//2.5E-49//181aa//54%//P32899
 C-PLACE1000909//ANKYRIN REPEAT-CONTAINING PROTEIN AKR1//2.6E-19//404aa//26%//P39010
 40 C-PLACE1000948
 C-PLACE1000972
 C-PLACE1000977//BETA-CHIMAERIN (BETA-CHIMERIN)//4.4E-22//129aa//35%//Q03070
 C-PLACE1001000
 C-PLACE1001092//Homo sapiens sorting nexin 4 mRNA, complete cds//0//1500bp//99%//AF065485
 45 C-PLACE1001257//RING CANAL PROTEIN (KELCH PROTEIN)//4.3E-54//257aa//46%//Q04652
 C-PLACE1001383//ZINC-FINGER PROTEIN UBI-D4 (APOPTOSIS RESPONSE ZINC FINGER PROTEIN REQ-
 UIEM)//3E-33//138aa//42%//Q61103
 C-PLACE1001387//EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8//2.3E-61//
 132aa//46%//Q12929
 50 C-PLACE1001399//Homo sapiens chromosome 17, clone hRPK.22_N_12, complete sequence//0//2118bp//
 99%//AC005412
 C-PLACE1001412
 C-PLACE1001484//Homo sapiens chromosome 20 clone 387E22, WORKING DRAFT SEQUENCE, in unordered
 pieces//0//1440bp//99%//AL031660
 55 C-PLACE1001503
 C-PLACE1001570
 C-PLACE1001610
 C-PLACE1001692//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14)

EP 1 074 617 A2

(THIOESTERASE n)//4E-81//263aa//56%//P08635
 C-PLACE1001729
 C-PLACE1001739//PUTATIVE ATP-DEPENDENT RNA HEUCASE PL10//3.5E-75//439aa//41%//P16381
 C-PLACE1001781//PROBABLE PHOSPHOMANNOMUTASE (EC 5.4.2.8) (PMM)//5.4E-63//427aa//35%//
 5 Q57290
 C-PLACE1001810
 C-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds//
 0//1995bp//99%//AF058953
 C-PLACE1001869//L-RIBULOKINASE (EC 2.7.1.16)//2E-27//270aa//31%//P94524
 10 C-PLACE1001912//Homo sapiens clone 24963 mRNA sequence, complete cds//0//1196bp//99%//AF131737
 C-PLACE1001920//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds//0//1729bp//99%//AF099935
 C-PLACE1001928
 C-PLACE1001989//PUTATIVE AMIDASE (EC 3.5.1.4)//1.4E-78//496aa//37%//Q49091
 C-PLACE1002046//LIGATIN (FRAGMENT)//1.7E-240//560aa//80%//Q61211
 15 C-PLACE1002072
 C-PLACE1002073//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLA-
 SE)//0.00000053//188aa//29%//P49606
 C-PLACE1002140
 C-PLACE1002163
 20 C-PLACE1002170
 C-PLACE1002433
 C-PLACE1002438//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN)//0.0000042//133aa//29%//Q13105
 C-PLACE1002465
 C-PLACE1002529//Homo sapiens mRNA for KIAA0713 protein, partial cds//6.7E-214//956bp//94%//AB018256
 25 C-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds//0//
 1750bp//99%//AF068180
 C-PLACE1002722//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001//9E-45//305aa//33%//Q15391
 C-PLACE1002794
 C-PLACE1002815
 30 C-PLACE1002839
 C-PLACE1002851
 C-PLACE1002941
 C-PLACE1002996
 C-PLACE1003045
 35 C-PLACE1003092
 C-PLACE1003100//HEP27 PROTEIN (PROTEIN D)//2.6E-79//253aa//60%//Q13268
 C-PLACE1003108
 C-PLACE1003145
 C-PLACE1003174//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN
 40 LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42)//3.8E-37//143aa//51%//P42743
 C-PLACE1003190//SOF1 PROTEIN//1.9E-110//325aa//48%//P33750
 C-PLACE1003200
 C-PLACE1003296//Homo sapiens mRNA; cDNA DKFZp434G173 (from clone DKFZp434G173)//0//1706bp//
 99%//AL080133
 45 C-PLACE1003302//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//6.9E-206//396aa//86%//
 P51522
 C-PLACE1003334
 C-PLACE1003342
 C-PLACE1003353//Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete
 50 cds//0//2435bp//99%//U92715
 C-PLACE1003369
 C-PLACE1003602//Homo sapiens mRNA expressed in placenta//5.9E-278//1275bp//99%//D83200
 C-PLACE1003611
 C-PLACE1003625//ARMADILLO SEGMENT POLARITY PROTEIN//3.2E-10//380aa//25%//P18824
 55 C-PLACE1003704//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR
 SRP75)//8E-19//209aa//34%//Q08170
 C-PLACE1003711
 C-PLACE1003723

EP 1 074 617 A2

C-PLACE1003762
 C-PLACE1003771
 C-PLACE1003784
 C-PLACE1003923
 5 C-PLACE1003936
 C-PLACE1003968//5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT (AMPK GAMMA-1 CHAIN)//
 2.4E-124//326aa//73%/P80385
 C-PLACE1004104
 C-PLACE1004114
 10 C-PLACE1004128//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT 4 (TRANSDUCIN BETA
 CHAIN 4)//6.1E-181//340aa//96%/P29387
 C-PLACE1004149
 C-PLACE1004156
 C-PLACE1004161
 15 C-PLACE1004183//Homo sapiens for TOM1-like protein.//0//1279bp//97%/AJ010071
 C-PLACE1004197//BUTYROPHILIN PRECURSOR (BT)//4.5E-10//208aa//27%/Q62556
 C-PLACE1004203//Homo sapiens GPI-anchored membrane protein CDw108 precursor, mRNA, complete cds.//
 0//1882bp//99%/AF069493
 C-PLACE1004258
 20 C-PLACE1004270//TRANSMEMBRANE PROTEASE, SERINE 2 (EC 3.4.21.-)//9.7E-36//389aa//31%/O15393
 C-PLACE1004277//Homo sapiens two pore domain K⁺ channel (TASK-2) mRNA, complete cds.//0//1498bp//99%/
 AF084830
 C-PLACE1004289
 C-PLACE1004302//SOF1 PROTEIN.//1.9E-110//325aa//48%/P33750
 25 C-PLACE1004316//H.sapiens mRNA for apoptosis specific protein.//0//1767bp//99%/Y11588
 C-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds.//0//
 2512bp//99%/AF100153
 C-PLACE1004376
 C-PLACE1004388
 30 C-PLACE1004405
 C-PLACE1004428//PRISTANOYL-COA OXIDASE (EC 1.3.3.-)//1.2E-39//385aa//33%/Q63448
 C-PLACE1004437//Human NAD⁺-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene
 encoding mitochondrial protein, complete cds.//0//985bp//99%/U49283
 C-PLACE1004451
 35 C-PLACE1004460//MATERNAL TUDOR PROTEIN.//0.0000002//218aa//23%/P25823
 C-PLACE1004473
 C-PLACE1004510//Homo sapiens cofactor of initiator function (CIF150) mRNA, complete//1.3E-209//954bp//
 99%/AF026445
 C-PLACE1004516
 40 C-PLACE1004548
 C-PLACE1004564//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100
 KD SUBUNIT (CPSF 100 KD SUBUNIT)//0//525aa//99%/Q10568
 C-PLACE1004629//PROTEIN OS-9 PRECURSOR.//7.7E-18//264aa//32%/Q13438
 C-PLACE1004645
 45 C-PLACE1004646//B.taurus mRNA for retinal pigment epithelial membrane receptor p63.//4.4E-42//985bp//59%/X
 66277
 C-PLACE1004664
 C-PLACE1004672
 C-PLACE1004674//PROBABLE CALCIUM-BINDING PROTEIN ALG-2 (PMP41) (ALG-257)//1.6E-95//191aa//
 50 96%/P12815
 C-PLACE1004691
 C-PLACE1004722
 C-PLACE1004736
 C-PLACE1004740
 55 C-PLACE1004743//PROBABLE N-END-RECOGNIZING PROTEIN (UBIQUITIN-PROTEIN LIGASE E3 COMPO-
 NENT) (N- RECOGNIN).//4.4E-35//578aa//27%/O60152
 C-PLACE1004751//Homo sapiens mRNA for alpha2,3-sialyltransferase ST3Gal VI, complete cds.//7.1E-224//
 790bp//98%/AB022918

EP 1 074 617 A2

C-PLACE1004777//N-CHIMAERIN (NC) (N-CHIMERIN) (ALPHA CHIMERIN) (A-CHIMAERIN)//1.9E-32//259aa//32%//P30337
 C-PLACE1004804//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE)//4.7E-65//695aa//29%//Q01631
 5 C-PLACE1004814//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75)//5.9E-19//196aa//36%//Q08170
 C-PLACE1004824
 C-PLACE1004868//MALE STERILITY PROTEIN 2//3.9E-39//261aa//27%//Q08891
 C-PLACE1004885
 10 C-PLACE1004902//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C//9.3E-11//94aa//47%//Q42643
 C-PLACE1004918//L-LACTATE DEHYDROGENASE M CHAIN (EC 1.1.1.27) (LDHA)//4.9E-48//198aa//44%//P06151
 C-PLACE1004930//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds//0//1853bp//98%//AF099936
 15 C-PLACE1004934
 C-PLACE1004937//SEL-10 PROTEIN//6.3E-125//357aa//58%//Q93794
 C-PLACE1004969//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X//2E-14//205aa//26%//Q11073
 C-PLACE1004982
 20 C-PLACE1005026
 C-PLACE1005027
 C-PLACE1005046
 C-PLACE1005077
 C-PLACE1005101//Homo sapiens (clone zap128) mRNA, 3' end of cds//1E-209//1031bp//96%//L40401
 25 C-PLACE1005102//RING CANAL PROTEIN (KELCH PROTEIN)//2.6E-56//565aa//30%//Q04652
 C-PLACE1005111
 C-PLACE1005181
 C-PLACE1005187//APAG PROTEIN//3.8E-13//122aa//36%//P05636
 C-PLACE1005206
 30 C-PLACE1005232
 C-PLACE1005243//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-)//1.3E-27//349aa//32%//Q01577
 C-PLACE1005261
 C-PLACE1005266
 C-PLACE1005277//Homo sapiens mRNA for KIAA0610 protein, partial cds//3.2E-297//1341bp//100%//AB011182
 35 C-PLACE1005287//INNER CENTROMERE PROTEIN (INCENP)//2.3E-13//269aa//28%//P53352
 C-PLACE1005305//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3)//2E-111//226aa//92%//P08760
 C-PLACE1005308
 C-PLACE1005313
 40 C-PLACE1005327
 C-PLACE1005335
 C-PLACE1005373//TRNA PSEUDOURIDINE SYNTHASE B (EC 4.2.1.70) (TRNA PSEUDOURIDINE 55 SYNTHASE) (PSI55 SYNTHASE) (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE)//8.6E-09//194aa//27%//Q33335
 45 C-PLACE1005374
 C-PLACE1005480
 C-PLACE1005481
 C-PLACE1005494//Homo sapiens mRNA for transient receptor potential protein TRP6//0//1649bp//99%//AJ006276
 50 C-PLACE1005530//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III//5.6E-52//173aa//57%//Q09251
 C-PLACE1005550
 C-PLACE1005554
 C-PLACE1005623
 55 C-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds//0//2130bp//99%//AF083255
 C-PLACE1005656//RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE M2 CHAIN (EC 1.17.4.1) (RIBONUCLEOTIDE REDUCTASE)//2.1E-148//321aa//83%//P31350

EP 1 074 617 A2

C-PLACE1005730
 C-PLACE1005755
 C-PLACE1005763//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14)
 (THIOESTERASE II)//2.5E-79//209aa//53%//P08635
 5 C-PLACE1005803
 C-PLACE1005804//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds.//1.1E-217//994bp//99%//
 AF027156
 C-PLACE1005851
 C-PLACE1005921//AIG1 PROTEIN//3E-31//284aa//31%//P54120
 10 C-PLACE1005923
 C-PLACE1005925
 C-PLACE1005934
 C-PLACE1005936
 C-PLACE1005951
 15 C-PLACE1005953//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-)//6.7E-30//198aa//37%//P43636
 C-PLACE1005955//VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE)//5.4E-
 54//455aa//32%//P14904
 C-PLACE1005966//TRANSCRIPTION INITIATION FACTOR TFIID 90 KD SUBUNIT (TAFII-90)//0.00000014//
 25 254aa//25%//P38129
 C-PLACE1005990
 C-PLACE1006011//Homo sapiens mRNA for poly(ADP-ribose) polymerase-2//0//1564bp//99%//AJ236876
 C-PLACE1006040//Homo sapiens mRNA for alpha endosulfine//4.7E-161//744bp//99%//X99906
 C-PLACE1006119//Homo sapiens Ran-GTP binding protein mRNA, partial cds.//1.5E-148//681bp//99%//
 AF039023
 25 C-PLACE1006139
 C-PLACE1006159
 C-PLACE1006167
 C-PLACE1006170//Homo sapiens mRNA for KIAA0899 protein, partial cds.//4.5E-293//953bp//99%//AB020706
 C-PLACE1006195
 30 C-PLACE1006196//PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06//2.7E-116//496aa//48%//Q09747
 C-PLACE1006225
 C-PLACE1006236
 C-PLACE1006239//BONE PROTEOGLYCAN II PRECURSOR (PG-S2) (DECORIN)//2E-16//244aa//31%//
 P28675
 35 C-PLACE1006246
 C-PLACE1006325//Homo sapiens mRNA; cDNA DKFZp564J142 (from clone DKFZp564J142)//3.8E-278//
 1271-bp//99%//AL080066
 C-PLACE1006335
 C-PLACE1006357
 40 C-PLACE1006385//Homo sapiens epsin 2a mRNA, complete cds.//0//1168bp//99%//AF062085
 C-PLACE1006412
 C-PLACE1006414
 C-PLACE1006438//ZINC FINGER PROTEIN 165//2.5E-45//122aa//43%//P49910
 C-PLACE1006445
 45 C-PLACE1006470
 C-PLACE1006482//TRANSCRIPTION FACTOR MAFF//7.7E-55//142aa//85%//Q90595
 C-PLACE1006488//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68)//1.1E-229//367aa//96%//
 Q00004
 C-PLACE1006492
 50 C-PLACE1006531
 C-PLACE1006552
 C-PLACE1006598//Homo sapiens clone NH0310K15, WORKING DRAFT SEQUENCE, 4 unordered pieces//0//
 2182bp//99%//AC007383
 C-PLACE1006615
 55 C-PLACE1006626//Homo sapiens mRNA for KIAA0928 protein, partial cds.//0//1760bp//99%//AB023145
 C-PLACE1006673
 C-PLACE1006678//Homo sapiens mRNA for type II membrane protein, complete cds, clone:HP10328//5.8E-24//
 734bp//62%//AB015630

EP 1 074 617 A2

C-PLACE1006704
C-PLACE1006731//RIBOFLAVIN KINASE (EC 2.7.1.26) (FLAVOKINASE)/FMN ADENYLYLTRANSFERASE (EC 2.7.7.2) (FAD PYROPHOSPHORYLASE) (FAD SYNTHETASE).//6.9E-13//177aa//33%//Q59263
C-PLACE1006782
5 C-PLACE1006819//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//9.8E-213//232aa//80%//P08547
C-PLACE1006829//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUITOUS NUCLEAR PROTEIN).//2E-15//188aa//29%//P35123
C-PLACE1006883
10 C-PLACE1006901
C-PLACE1006917//HSH49 PROTEIN.//5.5E-12//97aa//35%//Q99181
C-PLACE1006932
C-PLACE1006935//HYPOTHETICAL 95.2 KD PROTEIN R144.6 IN CHROMOSOME III.//6.7E-48//278aa//41%//Q10000
15 C-PLACE1006956//ATP-DEPENDENT PERMEASE MDL1.//1.3E-86//522aa//36%//P97998
C-PLACE1006958//Homo sapiens mRNA for heat shock protein apg-1, complete cds.//0//1770bp//99%//AB023421
C-PLACE1006961
C-PLACE1006962
20 C-PLACE1006966
C-PLACE1007014//36 KD NUCLEOLAR PROTEIN HNP36 (DELAYED-EARLY RESPONSE PROTEIN 12) (DER12).//3.2E-35//180aa//33%//Q14542
C-PLACE1007021
C-PLACE1007105
25 C-PLACE1007178
C-PLACE1007226//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.-.-.-) (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).//1E-42//370aa//31%//P54304
C-PLACE1007238
C-PLACE1007239//Homo sapiens mRNA for transcription elongation factor S-II, hS-II-T1, complete cds.//6.5E-216//1068bp//96%//D50495
30 C-PLACE1007242
C-PLACE1007243//UNC-47 PROTEIN.//0.00000017//211aa//27%//P34579
C-PLACE1007257//Homo sapiens mRNA for dia-12c protein.//0//2052bp//99%//Y15908
C-PLACE1007274
35 C-PLACE1007282
C-PLACE1007301
C-PLACE1007317//Drosophila melanogaster Adrift (adrift) mRNA, complete cds.//4.1E-17//1037bp//56%//AF117649
C-PLACE1007342
40 C-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds.//0//2366bp//99%//AF096870
C-PLACE1007367
C-PLACE1007375//PHORBOL ESTER/DIACYLGLYCEROL-BINDING PROTEIN UNC-13.//0.00000044//127aa//30%//P27715
45 C-PLACE1007386
C-PLACE1007402
C-PLACE1007409//WHITE PROTEIN.//1.1E-64//428aa//32%//Q17320
C-PLACE1007416//DIPEPTIDYL PEPTIDASE IV (EC 3.4.14.5) (DPP IV) (T-CELL ACTIVATION ANTIGEN CD26) (TP103) (ADENOSINE DEAMINASE COMPLEXING PROTEIN-2) (ADABP).//8.8E-25//140aa//35%//P27487
50 C-PLACE1007450
C-PLACE1007452
C-PLACE1007460
C-PLACE1007484
C-PLACE1007488//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//5.4E-53//426aa//33%//P52734
55 C-PLACE1007507
C-PLACE1007511//KERATIN, TYPE I CYTOSKELETAL 19 (CYTOKERATIN 19) (K19) (CK 19).//1.4E-85//385aa//45%//P08728

EP 1 074 617 A2

C-PLACE1007524
 C-PLACE1007537//Homo sapiens ankyrin repeat-containing protein ASB-2 mRNA, complete cds.//8.9e-316//
 1485bp//98%//AF159164
 C-PLACE1007544
 5 C-PLACE1007547//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1E-49//361aa//36%//
 P34537
 C-PLACE1007583
 C-PLACE1007598//ZINC FINGER PROTEIN 184 (FRAGMENT).//1.6E-143//666aa//44%//Q99676
 C-PLACE1007618//Homo sapiens mRNA for KIAA0977 protein, complete cds.//0//713bp//99%//AB023194
 10 C-PLACE1007621
 C-PLACE1007632//POLIOVIRUS RECEPTOR PRECURSOR.//0.0000001//228aa//31%//P32506
 C-PLACE1007645
 C-PLACE1007649//Homo sapiens mRNA for KIAA0977 protein, complete cds.//0//1952-bp//99%//AB023194
 C-PLACE1007688//LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG).//
 15 8.7E-09//279aa//28%//Q26457
 C-PLACE1007690
 C-PLACE1007697//GCN20 PROTEIN.//7.6E-119//717aa//38%//P43535
 C-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//3431bp//99%//AF061243
 C-PLACE1007725
 20 C-PLACE1007729//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-).//1.5E-44//231aa//42%//P10265
 C-PLACE1007730//Homo sapiens mRNA for KIAA0685 protein, complete cds.//9.2E-294//1504bp//94%//
 AB014585
 C-PLACE1007746
 C-PLACE1007791//Homo sapiens IDN3-B mRNA, complete cds.//0//1836bp//99%//AB019602
 25 C-PLACE1007810
 C-PLACE1007843
 C-PLACE1007846//Homo sapiens genomic DNA of 21q22.2 Down Syndrome region, segment 3/13.//0//1751bp//
 99%//AP000010
 C-PLACE1007858//Homo sapiens mRNA for KIAA0766 protein, complete cds.//0//3112bp//99%//AB018309
 30 C-PLACE1007897
 C-PLACE1007946//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II).//2.6E-14//370aa//
 25%//Q99323
 C-PLACE1007954
 C-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds.//0//2252bp//99%//
 35 AF084530
 C-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//0//2300bp//
 99%//AF079529
 C-PLACE1007969//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M).//1.1E-36//202aa//
 48%//P52272
 40 C-PLACE1007990
 C-PLACE1008000//CHANNEL ASSOCIATED PROTEIN OF SYNAPSE-110 (CHAPSYN-110) (SYNAPTIC DEN-
 SITY PROTEIN PSD-93).//6.1E-14//128aa//39%//Q63622
 C-PLACE1008002//Homo sapiens clone DJ0613C23, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0//
 1833bp//99%//AC005628
 45 C-PLACE1008044//NUCLEAR PORE COMPLEX PROTEIN NUP107 (NUCLEOPORIN NUP107) (107 KD NU-
 CLEOPORIN) (P105).//4.6e-318//613aa//94%//P52590
 C-PLACE1008095
 C-PLACE1008122
 C-PLACE1008129
 50 C-PLACE1008132//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//1.3E-24//395aa//
 31%//Q09531
 C-PLACE1008177//TRICHOHYALIN.//2.3E-29//487aa//26%//P37709
 C-PLACE1008209
 C-PLACE1008273//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//1.3E-283//
 55 671aa//77%//P53620
 C-PLACE1008275//DNA REPAIR PROTEIN REV1 (EC 2.7.7.-).//2.3E-18//162aa//37%//P12689
 C-PLACE1008280
 C-PLACE1008309

EP 1 074 617 A2

C-PLACE1008329
 C-PLACE1008356//Homo sapiens mRNA for KIAA0679 protein, partial cds.//0//1853bp//100%//AB014579
 C-PLACE1008398//GENE 33 POLYPEPTIDE.//7.3E-114//243aa//87%//P05432
 C-PLACE1008401
 5 C-PLACE1008402//GENERAL VESICULAR TRANSPORT FACTOR P115 (TRANSCYTOSIS ASSOCIATED PROTEIN) (TAP).//0//698aa//95%//P41541
 C-PLACE1008429//ANKYRIN HOMOLOG PRECURSOR.//3.1E-11//189aa//32%//Q06527
 C-PLACE1008457
 C-PLACE1008465
 10 C-PLACE1008488
 C-PLACE1008524//Human DNA sequence from clone 34B21 on chromosome 6p12.1-21.1. Contains part of a gene for a novel protein with ZU5 domain similar to part of Tight Junction Protein ZO1 (TJP1) and UNC5 Homologs, the gene for a novel BZRP (peripheral benzodiazapine recepto//0//1980bp//99%//AL031778
 C-PLACE1008531
 15 C-PLACE1008532
 C-PLACE1008533//101 KD MALARIA ANTIGEN (P101) (ACIDIC BASIC REPEAT ANTIGEN).//1.1E-09//62aa//48%//P22620
 C-PLACE1008568
 C-PLACE1008603//NUCLEAR PORE COMPLEX PROTEIN NUP155 (NUCLEOPORIN NUP155) (155 KD NUCLEOPORIN) (P140).//7.8E-236//453aa//96%//P37199
 20 C-PLACE1008621
 C-PLACE1008626
 C-PLACE1008627//Homo sapiens mRNA for cysteine-rich protein.//0//1850bp//99%//AJ006591
 C-PLACE1008629
 25 C-PLACE1008650//Homo sapiens pleiotropic regulator 1 (PLRG1) mRNA, complete cds.//0//1548bp//100%//AF044333
 C-PLACE1008693
 C-PLACE1008696//Homo sapiens NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8) gene, nuclear gene encoding mitochondrial protein, complete cds.//0//3002bp//99%//AF038406
 30 C-PLACE1008790//IMPORTIN ALPHA-6 SUBUNIT (KARYOPHERIN ALPHA-6 SUBUNIT) (IMPORTIN ALPHA S2).//3.1E-280//533aa//98%//O35345
 C-PLACE1008808//Homo sapiens mRNA for cell cycle checkpoint protein rad1A.//2.3E-269//1225bp//99%//AJ004974
 C-PLACE1008813
 35 C-PLACE1008854
 C-PLACE1008867
 C-PLACE1008887
 C-PLACE1008902
 C-PLACE1008925
 40 C-PLACE1009020//NIFS PROTEIN.//3.9E-55//279aa//41%//P12623
 C-PLACE1009027//Homo sapiens mRNA for doublecortin.//0//1919bp//99%//AJ003112
 C-PLACE1009045
 C-PLACE1009060//BRO1 PROTEIN.//6.7E-19//567aa//24%//P48582
 C-PLACE1009090
 45 C-PLACE1009091
 C-PLACE1009094//FURIN-LIKE PROTEASE 2 PRECURSOR (EC 3.4.21.75) (FURIN 2).//1.9E-44//480aa//30%//P30432
 C-PLACE1009099//ZINC FINGER PROTEIN 41 (FRAGMENT).//1.1E-179//452aa//67%//P51814
 C-PLACE1009110
 50 C-PLACE1009111
 C-PLACE1009130//UBIQUITIN-PROTEIN LIGASE E3A (EC 6.3.2.-) (ONCOGENIC PROTEIN-ASSOCIATED PROTEIN E6-AP).//2E-68//181aa//43%//Q05086
 C-PLACE1009158
 C-PLACE1009166
 55 C-PLACE1009174
 C-PLACE1009186
 C-PLACE1009190
 C-PLACE1009230

EP 1 074 617 A2

C-PLACE1009319//Rattus norvegicus outer membrane protein (OMP25) mRNA, complete cds; nuclear gene for mitochondrial product.//2.1E-132//1229bp//75%//AF107295
 C-PLACE1009328
 C-PLACE1009335
 5 C-PLACE1009338
 C-PLACE1009368//METAL HOMEOSTASIS FACTOR ATX2//2.5E-10//151aa//29%//Q12067
 C-PLACE1009375
 C-PLACE1009388
 C-PLACE1009404//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I//0.000000047//
 10 165aa//33%//Q09820
 C-PLACE1009434
 C-PLACE1009443
 C-PLACE1009444//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KI-
 NASE) (PI4K-ALPHA)//7.8E-71//82aa//89%//P42356
 15 C-PLACE1009459
 C-PLACE1009468//PHOSPHOLIPASE A-2-ACTIVATING PROTEIN (PLAP)//3.1E-289//550aa//93%//P54319
 C-PLACE1009476//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III//3.9E-40//
 179aa//37%//P34580
 C-PLACE1009524//ARF NUCLEOTIDE-BINDING SITE OPENER (ARNO PROTEIN) (ARF EXCHANGE FAC-
 20 TOR)//8.1E-99//228aa//75%//Q99418
 C-PLACE1009542
 C-PLACE1009571
 C-PLACE1009581
 C-PLACE1009596//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//5.1E-54//291aa//40%//Q00808
 25 C-PLACE1009607
 C-PLACE1009621
 C-PLACE1009622//MATERNAL EFFECT PROTEIN STAUFEN//1.3E-60//209aa//41%//P25159
 C-PLACE1009659//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (NAPI PROTEIN)//1.5E-285//538aa//99%//
 P55161
 30 C-PLACE1009665
 C-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds.//0//1854bp//100%//AF062534
 C-PLACE1009708//HYPOTHETICAL 143.3 KD TRP-ASP REPEATS CONTAINING PROTEIN C12G12.13C IN
 CHROMOSOME I//7E-33//166aa//43%//Q09876
 C-PLACE1009721//MSF1 PROTEIN//1.7E-22//176aa//33%//P35200
 35 C-PLACE1009731//AIG1 PROTEIN//1.6E-22//274aa//28%//P54120
 C-PLACE1009763//Homo sapiens mRNA for Nedd8-activating enzyme hUba3, complete cds.//4.3E-294//1329bp//
 100%//AB012190
 C-PLACE1009794
 C-PLACE1009845//Homo sapiens mRNA for KIAA0905 protein, complete cds.//0//2685bp//99%//AB020712
 40 C-PLACE1009886
 C-PLACE1009908//HYPOTHETICAL GTP-BINDING PROTEIN IN SEH1-PRP20 INTERGENIC REGION.//1.9E-
 108//277aa//43%//P53145
 C-PLACE1009971
 C-PLACE1009992//LIMULUS CLOTTING FACTOR C PRECURSOR (EC 3.4.21.84)//4.6E-59//450aa//34%//
 45 P28175
 C-PLACE1009995//Homo sapiens mRNA; cDNA DKFZp5640123 (from clone DKFZp5640123).//0//1962bp//99%//
 AL080122
 C-PLACE1009997//Rattus norvegicus A-kinase anchoring protein AKAP 220 mRNA, complete cds.//5.2E-70//
 736bp//73%//U48288
 50 C-PLACE1010023
 C-PLACE1010031
 C-PLACE1010053//M.musculus Spnr mRNA for RNA binding protein.//6E-279//1402bp//94%//X84692
 C-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2019bp//99%//AF065482
 C-PLACE1010076
 55 C-PLACE1010096//100 KD PROTEIN (EC 6.3.2.-)//1.4E-268//506aa//98%//Q62671
 C-PLACE1010102
 C-PLACE1010105//RING CANAL PROTEIN (KELCH PROTEIN)//7.3E-114//537aa//44%//O04652
 C-PLACE1010106//Homo sapiens mRNA; cDNA DKFZp586M1418 (from clone DKFZp586M1418).//0//1974bp//

EP 1 074 617 A2

99%/AL049385
 C-PLACE1010134//TRANSCRIPTION REGULATORY PROTEIN SNF2 (SWI/SNF COMPLEX COMPONENT SNF2) (REGULATORY PROTEIN SWI2) (REGULATORY PROTEIN GAM1) (TRANSCRIPTION FACTOR TYE3).//1.7E-20//156aa//42%/P22082
 5 C-PLACE1010148//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I).//0.00000046//431aa//23%/P35662
 C-PLACE1010194//SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPLICING COMPONENT, 35 KD) (PR264 PROTEIN).//9.8E-11//95aa//49%/Q01130
 C-PLACE1010202
 C-PLACE1010261//SEGREGATION DISTORTER PROTEIN.//1.6E-77//214aa//62%/P25722
 10 C-PLACE1010274//Homo sapiens mRNA; cDNA DKFZp5640123 (from clone DKFZp5640123).//0//1964bp//99%/AL080122
 C-PLACE1010293
 C-PLACE1010321//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).//1.1E-09//350aa//22%/P52178
 15 C-PLACE1010324
 C-PLACE1010329
 C-PLACE1010362//1-PHOSPHATIDYLINOSITOL PHOSPHODIESTERASE PRECURSOR (EC 3.1.4.10) (PHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE C) (PI-PLC).//0.00000002//126aa//29%/P34024
 C-PLACE1010364
 20 C-PLACE1010383
 C-PLACE1010481//Homo sapiens mRNA for KIAA0836 protein, partial cds.//0//2121bp//99%/AB020643
 C-PLACE1010491
 C-PLACE1010492
 C-PLACE1010522//Homo sapiens mRNA for DEPP (decidual protein induced by progesterone), complete cds.//0//1981bp//99%/AB022718
 25 C-PLACE1010529
 C-PLACE1010547//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//0.00000012//616aa//24%/P25386
 C-PLACE1010599//Homo sapiens Pex14 mRNA for peroxisomal membrane anchor protein, complete cds.//0//1904bp//99%/AB017546
 30 C-PLACE1010616
 C-PLACE1010622//TROPONIN T, CARDIAC MUSCLE ISOFORMS (TNTC).//0.00000016//120aa//28%/P02642
 C-PLACE1010629
 C-PLACE1010630
 35 C-PLACE1010661//TESTIS-SPECIFIC PROTEIN PBS13.//5.7E-75//423aa//39%/Q01755
 C-PLACE1010714
 C-PLACE1010720//Homo sapiens mRNA for chromosome-associated polypeptide-C, complete cds.//4E-299//1091bp//99%/AB019987
 C-PLACE1010743//Homo sapiens myosin-IXb splice variant (Myo9b) mRNA, partial cds.//8.9E-91//668bp//82%/AF020267
 40 C-PLACE1010771//M.musculus HCNGP mRNA.//7.4E-168//966bp//89%/X68061
 C-PLACE1010786
 C-PLACE1010800
 C-PLACE1010811
 45 C-PLACE1010870//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.3E-143//407aa//58%/Q05481
 C-PLACE1010877//Homo sapiens mRNA for KIAA0610 protein, partial cds.//0//1885bp//99%/AB011182
 C-PLACE1010900
 C-PLACE2000050
 50 C-PLACE4000522//NEUROGENIC LOCUS NOTCH PROTEIN HOMOLOG PRECURSOR (XOTCH PROTEIN).//2.4E-191//828aa//48%/P21783
 C-PLACE4000590
 C-PLACE4000638
 C-PLACE4000650//TUBERIN (TUBEROUS SCLEROSIS 2 HOMOLOG PROTEIN).//7.9E-17//201aa//34%/P49816
 55 C-Y79AA1001647

EP 1 074 617 A2

Homology Search Result Data 7.

[0315] The result of the homology search of the SwissProt using the 5'-end sequence (54 clones selected in EXAM-
PLE 16).

5 [0316] Data include

the name of clone,
definition of the top hit data,
the P-value: the length of the compared sequence: identity (%), and
10 the organism and the Accession No. of the top hit data, as in the order separated by //.

[0317] Data are not shown for the clones in which the P-value was higher than 1.

15 F-HEMBA1000497//METALLOTHIONEIN-LIKE PROTEIN 2A (MT-2A) (MT-K) (MT-1G)//0.13//52//38//P25860
F-HEMBA1001750//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THI-
OLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME
64E)//2.2e-28//104//59//Q24574
F-HEMBA1003854//VERPROLIN//0.012//138//31//P37370
F-HEMBA1004193//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3) (FRAGMENT)//0.93//39//
20 33//Q37131
F-HEMBA1004860//HIGH POTENTIAL IRON-SULFUR PROTEIN, ISOZYME 2 (HIPIP 2)//0.90//20//50//P38524
F-HEMBA1005572//ZINC FINGER PROTEIN 124 (HZF-16)//7.6e-46//141//58//Q15973
F-HEMBA1006038//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENT)//0.0033//32//46//P70560
F-HEMBA1006092//VERPROLIN//1.0//62//35//P37370
25 F-HEMBA1006406//MATING PHEROMONE ER-10 PRECURSOR (EUPLOMONE R10)//0.30//41//36//P12350
F-HEMBA1006650//MATING-TYPE PHEROMONE BAP1(2) PRECURSOR//0.089//21//52//Q02593
F-HEMBA1006812//HEAT SHOCK PROTEIN HTGA (HEAT SHOCK PROTEIN HTPY)//0.38//156//30//P28697
F-HEMBA1006872
F-HEMBA1001197//DNA-BINDING PROTEIN 65 (PROTEIN GP65)//1.0//30//36//P16012
30 F-HEMBA1001871//BONE/CARTILAGE PROTEOGLYCAN I PRECURSOR (BIGLYCAN) (PG-S1)//3.7e-54//
241//47//P47853
F-MAMMA1001252//HYPOTHETICAL 9.1 KD PROTEIN IN NIRQ 3'REGION (ORF3)//0.59//48//39//Q51483
F-MAMMA1002094
F-NT2RM4000634//T-CELL RECEPTOR BETA CHAIN PRECURSOR (ANA 11)//0.26//58//27//P06333
35 F-NT2RM4000657//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC
3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT)//8.9e-20//83//48//P10895
F-NT2RM4000783//ZINC FINGER PROTEIN (FRAGMENT)//1.0//42//40//P19326
F-NT2RM4000857//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN COMPLEX ACID LABILE CHAIN
PRECURSOR (ALS)//6.0e-23//207//32//Q02833
40 F-NT2RM4001178//HOMEOBOX PROTEIN OTX3 (ZOTX3)//0.012//156//28//Q90267
F-NT2RM4002420//GLUTAMIC ACID-RICH PROTEIN PRECURSOR//0.0012//81//37//P13816
F-NT2RP2000198//CREB-BINDING PROTEIN//0.29//98//37//Q92793
F-NT2RP2000551//PROTEIN Q300//0.00017//23//60//Q02722
F-NT2RP2000660//HYPOTHETICAL PROTEIN MJ0401//1.0//41//29//Q57844
45 F-NT2RP2001214//MALE SPECIFIC SPERM PROTEIN MST84DC//0.27//13//61//Q01644
F-NT2RP2001460//PROTEIN KINASE C-LIKE (EC 2.7.1.-)//0.089//99//29//Q99014
F-NT2RP2001756//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT)//4.0e-13//177//
28//P16372
F-NT2RP2002056//HYPOTHETICAL 6.0 KD PROTEIN IN THI12 5'REGION//0.37//12//75//P53820
50 F-NT2RP2002677//NONSPECIFIC LIPID-TRANSFER PROTEIN 3 PRECURSOR (LTP 3)//0.99//61//32//Q42616
F-NT2RP2002755//OCTAPEPTIDE-REPEAT PROTEIN T2//3.3e-10//90//35//Q06666
F-NT2RP2002843//CYTOCHROME B//0.78//103//26//P48884
F-NT2RP2003101//ATPASE INHIBITOR, MITOCHONDRIAL HOMOLOG//0.40//28//46//P37209
F-NT2RP2003799//HYPOTHETICAL PROTEIN MJ0116.1//0.80//55//32//P81303
55 F-NT2RP2004095
F-NT2RP2004732
F-NT2RP2004920//HISTIDINE-RICH, METAL BINDING POLYPEPTIDE//0.18//18//55//Q48251
F-NT2RP2005454

EP 1 074 617 A2

F-NT2RP2005776//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE) (FRAGMENT)//7.4e-38//136//41//P51003
 F-NT2RP2005806//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR//4.0e-08//180//28//P32323
 F-NT2RP2005882
 5 F-NT2RP3001282//METHYL-ACCEPTING CHEMOTAXIS PROTEIN TLPB//0.0022//69//39//P39217
 F-NT2RP3001723//TRANSCRIPTIONAL REGULATORY PROTEIN ALGP (ALGINATE REGULATORY PROTEIN ALGR3)//0.00035//127//31//P15276
 F-NT2RP3002099//NONHISTONE CHROMOSOMAL PROTEIN HMG-17//0.97//71//28//P05204
 F-NT2RP3003155//CCAAT DISPLACEMENT PROTEIN (HOMEBOX PROTEIN CLOX) (CLOX-1) (FRAGMENT)//0.064//110//34//P39881
 10 F-NT2RP3004028//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT)//0.020//95//29//P15583
 F-OVARC1000008//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//2.8e-05//165//29//P17437
 15 F-OVARC1000724//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAGMENT)//0.035//152//30//P10162
 F-OVARC1000751//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICPO (VMW118 PROTEIN)//0.38//124//31//P28284
 F-OVARC1001029
 20 F-PLACE1000814//EC PROTEIN HOMOLOG 2 (FRAGMENT)//0.45//61//24//Q42377
 F-PLACE1003030//GALECTIN-3 (GALACTOSE-SPECIFIC LECTIN 3) (MAC-2 ANTIGEN) (IGE-BINDING PROTEIN) (35 KD LECTIN) (CARBOHYDRATE BINDING PROTEIN 35) (CBP 35) (LAMININ-BINDING PROTEIN) (LECTIN L-29)//0.70//121//32//P47845
 F-PLACE1005549//RHO1 GDP-GTP EXCHANGE PROTEIN 1 (PROTEIN KINASE C SUPPRESSOR SKC1)//3.2e-08//205//24//P53046
 25 F-PLACE1007218//IG KAPPA CHAIN V-III REGION (PC 7210)//0.99//52//38//P01668

Homology Search Result Data 8.

30 [0318] The result of the homology search of the GenBank using the clone sequence of 5'-end (54 clones selected in EXAMPLE 16.) except EST and STS.
 [0319] Data include

35 the name of clone,
 definition of the top hit data,
 the P-value: the length of the compared sequence: identity (%), and
 the Accession No. of the top hit data, as in the order separated by //.

[0320] Data are not shown for the clones in which the P-value was higher than 1.

40 F-HEMBA1000497
 F-HEMBA1001750//Human mitochondrial genes for several tRNAs (Phe, Val, Leu) and 12S and 16S ribosomal RNAs//6.6e-101//473//99//V00710
 F-HEMBA1003854//Homo sapiens clone RG270D13, *** SEQUENCING IN PROGRESS ***, 18 unordered pieces//1.7e-05//412//61//AC005081
 45 F-HEMBA1004193//Human BAC clone RG343H22 from 7q31, complete sequence//0.77//466//59//AC002386
 F-HEMBA1004860//Human pigment epithelium-derived factor gene, complete cds//6.7e-07//492//57//U29953
 F-HEMBA1005572//HZF-16=Krueppel-related zinc finger gene homolog (alternatively spliced) [human, hepatoblastoma cell line, HEP-G2, mRNA, 2080 nt]//2.9e-47//341//77//S54641
 50 F-HEMBA1006038//Human DNA sequence from clone 989H11 on chromosome 22q13.1-13.2, complete sequence//0.28//436//59//Z83851
 F-HEMBA1006092//Human chromosome 16p13.11 BAC clone CIT987SK-29B12 complete sequence//0.28//309//60//U95738
 F-HEMBA1006406//HS_2268_B2_C07_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2268 Col=14 Row=F, genomic survey sequence//3.7e-69//340//99//AQ070566
 55 F-HEMBA1006650//H.sapiens CpG island DNA genomic Mse1 fragment, clone 5h5, forward read cpg5h5.f1a//9.4e-24//143//96//Z55730
 F-HEMBA1006812//X.laevis xUBFalpha mRNA for upstream binding factor 2//0.96//234//64//X59863

EP 1 074 617 A2

F-HEMBB1000672//CIT-HSP-2350H6.TF CIT-HSP Homo sapiens genomic clone 2350H6, genomic survey sequence.//1.1e-68//375//94//AQ059158
F-HEMBB1001197//Drosophila melanogaster strawberry notch (sno) mRNA, complete cds.//2.8e-10//229//66//U95760
5 F-HEMBB1001871//Equus caballus dermatan sulfate proteoglycan II mRNA, complete cds.//1.2e-27//619//62//AF038127
F-MAMMA1001252
F-MAMMA1002094//H.sapiens CpG island DNA genomic MseI fragment, clone 184g7, forward read cpg184g7.ft1a.//3.4e-29//167//97//Z59993
10 F-NT2RM4000634//Chionoecetes opilio (clone COP41) DNA microsatellite repeat regions.//1.4e-21//230//73//L49136
F-NT2RM4000657//Human mRNA for phospholipase C, complete cds.//0.029//245//61//D42108
F-NT2RM4000783//Homo sapiens chromosome 16, cosmid clone 330D11 (LANL), complete sequence.//3.7e-36//324//70//AC005199
15 F-NT2RM4000857//RPCI11-49P19.TJ RPCI-11 Homo sapiens genomic clone RPCI-11-49P19, genomic survey sequence.//1.5e-62//322//97//AQ051961
F-NT2RM4001178//Streptomyces coelicolor cosmid 7H1.//0.0025//296//62//AL021411
F-NT2RM4002420//Homo sapiens chromosome 17, clone hRPK.63_A_1, complete sequence.//0.00013//121//76//AC005670
20 F-NT2RP2000198//Human platelet glycoprotein IX mRNA, 3' end.//0.016//246//62//M25827
F-NT2RP2000551//Rattus norvegicus microsatellite sequence clone 82G9.//2.0e-08//223//69//AJ233812
F-NT2RP2000660//Homo sapiens chromosome 19, cosmid R30953, complete sequence.//0.0073//209//66//AC005622
F-NT2RP2001214
25 F-NT2RP2001460//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//1.0//80//76//AC005189
F-NT2RP2001756//CIT-HSP-2373P1.TR CIT-HSP Homo sapiens genomic clone 2373P1, genomic survey sequence.//3.0e-38//220//94//AQ110589
F-NT2RP2002056//Genomic sequence from Human 17, complete sequence.//1.2e-80//317//91//AC002094
30 F-NT2RP2002677//Homo sapiens chromosome 10 clone CIT987SK-1031G15 map 10q25, *** SEQUENCING IN PROGRESS ***, 1 ordered pieces.//0.032//141//70//AC006097
F-NT2RP2002755//Homo sapiens genomic DNA of 21q22.2 Down Syndrome region, segment 9/13.7/1.8e-22//377//69//AP000018
F-NT2RP2002843//Homo sapiens BAC clone RG030L05 from 7q22, complete sequence.//6.5e-16//311//63//AC005050
35 F-NT2RP2003101//Human FMR1 gene, 5' end.//0.32//105//67//L19476
F-NT2RP2003799//Human DNA for 5' terminal region of LINE-1 transposable element clone CGL1-4.//1.6e-33//119//96//X52233
F-NT2RP2004095//HS_3083_A1_A02_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3083 Col=3 Row=A, genomic survey sequence.//1.0e-14//154//79//AQ106698
40 F-NT2RP2004732//CIT-HSP-631P16.TP CIT-HSP Homo sapiens genomic clone 631P16, genomic survey sequence.//2.3e-20//120//99//B79035
F-NT2RP2004920//Plasmodium falciparum MAL3P4, complete sequence.//0.030//397//59//AL008970
F-NT2RP2005454//Plasmodium falciparum chromosome 2, section 47 of 73 of the complete sequence.//0.97//455//56//AE001410
45 F-NT2RP2005776//H.sapiens PAP mRNA.//1.0e-33//451//68//X76770
F-NT2RP2005806//Mus musculus musculus sex determining protein (Sry) gene, complete cds.//0.029//412//60//U70652
F-NT2RP2005882//Human DNA sequence from PAC 389A20 on chromosome X contains ESTs STS, CpG islands and polymorphic CA repeat.//9.4e-25//155//90//Z93242
50 F-NT2RP3001282//RPCI11-52L16.TJ RPCI-11 Homo sapiens genomic clone RPCI-11-52L16, genomic survey sequence.//3.2e-21//122//100//AQ052775
F-NT2RP3001723//H.sapiens CpG island DNA genomic MseI fragment, clone 13g5, reverse read cpg13g5.rt1a.//2.2e-18//163//85//Z56771
55 F-NT2RP3002099//Homo sapiens chromosome 17, clone hCIT.296_K_1, complete sequence.//1.3e-76//351//86//AC005180
F-NT2RP3003155
F-NT2RP3004028//Sequence 1 from patent US 5618695.//3.3e-13//217//70//I40055

EP 1 074 617 A2

F-OVARC1000008///0.0040//674//57//M82836
 F-OVARC1000724//Herpes simplex virus type I immediate early (IE) gene 3 for transcriptional activator IE175 (= ICP 4)//1.1e-07//519//59//X06461
 F-OVARC1000751//Homo sapiens DNA from chromosome 19, cosmid R29144, complete sequence//7.2e-11//509//62//AC004221
 5 F-OVARC1001029//Human DNA sequence from clone 19408 on chromosome 6q24.1-25.3 Contains STS and GSSs, complete sequence//1.1e-05//388//61//AL031769
 F-PLACE1000814//Homo sapiens BAC clone GS011E15 from 5q31, complete sequence//1.4e-84//717//78//AC002427
 10 F-PLACE1003030
 F-PLACE1005549//Human guanine nucleotide regulatory protein (NET1) mRNA, complete cds//4.9e-56//709//68//U02081
 F-PLACE1007218//Homo sapiens chromosome 20 clone RP3-387E22, *** SEQUENCING IN PROGRESS ***, in unordered pieces//3.1e-39//214//98//AL031660
 15 Homology Search Result Data 9.

[0321] The result of the homology search of the GenBank using the clone sequence of 3'-end (54 clones selected in EXAMPLE 16.) except EST and STS.
 20 [0322] Data include

the name of clone,
 definition of the top hit data,
 the P-value: the length of the compared sequence: identity (%), and
 25 the Accession No. of the top hit data, as in the order separated by //.

[0323] Blank indicates that the 3'-end sequence corresponding to the 5'-end was not determined in the clone.
 [0324] Data are not shown for the clones in which the P-value was higher than 1.

30 R-HEMBA1000497//***ALU WARNING: Human Alu-J subfamily consensus sequence//1.4e-38//185//84//U14567
 R-HEMBA1001750//Hansenula wingei mitochondrial DNA, complete sequence//1.7e-07//399//59//D31785
 R-HEMBA1003854//Human DNA sequence from clone 224A6 on chromosome 1p35.1-36.23 Contains part of a gene similar to Mouse Wnt-4 protein, the gene for CDC42 (cell division cycle 42 (GTP-binding protein, 25kD)), ESTs, STSs, GSSs and a CpG Island, complete sequence//1.4e-75//309//85//AL031281
 35 R-HEMBA1004193//***ALU WARNING: Human Alu-J subfamily consensus sequence//1.1e-34//188//81//U14567
 R-HEMBA1004860//Homo sapiens 12q13.1 PAC RPCI3-197B17 (Roswell Park Cancer Institute Human PAC library) complete sequence//1.3e-06//239//66//AC004241
 R-HEMBA1005572//Homo sapiens chromosome 21 PAC RPCIP704E14135Q2, complete sequence//3.1e-21//341//67//AJ010598
 40 R-HEMBA1006038//Homo sapiens chromosome 19, cosmid R34094, complete sequence//1.7e-24//307//71//AC004678
 R-HEMBA1006092//H.Sapiens mRNA for alpha2-subunit of soluble guanylyl cyclase//0.76//246//62//X63282
 R-HEMBA1006406//Human DNA sequence from clone 113J7 on chromosome Xp11.22-11.4 Contains part of a putative Homeobox (pseudo?) gene, ESTs and an STS, complete sequence//1.3e-31//297//77//AL023574
 45 R-HEMBA1006650//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence//1.8e-15//350//65//AC003071
 R-HEMBA1006812//Homo sapiens chromosome X clone RP3-424J12, *** SEQUENCING IN PROGRESS ***, in unordered pieces//1.8e-55//430//81//Z82207
 R-HEMBA100672//Homo sapiens clone UWGC:y54c283 from 6p21, complete sequence//9.1e-39//437//71//AC006166
 50 R-HEMBA1001197//Homo sapiens PAC clone DJ0964C11 from 7p14-p15, complete sequence//1.5e-37//275//85//AC004593
 R-HEMBA1001871//Plasmodium falciparum chromosome 12 clone 3D7, *** SEQUENCING IN PROGRESS ***, 5 unordered pieces//0.00097//410//59//AC004688
 55 R-MAMMA1001252//Homo sapiens clone 201104, *** SEQUENCING IN PROGRESS ***, 4 unordered pieces//2.9e-13//364//64//AC004529
 R-MAMMA1002094//HS_3163_A1_A09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3163 Col=17 Row=A, genomic survey sequence//5.9e-41//256//91//AQ141441

EP 1 074 617 A2

R-NT2RM4000634//Homo sapiens chromosome 19, cosmid R30783, complete sequence.//1-6e-21//283//73//AC005258
R-NT2RM4000657
R-NT2RM4000783
5 R-NT2RM4000857//RPCI11-63K2.TK RPCI-11 Homo sapiens genomic clone RPCI-11-63K2, genomic survey sequence.//4.0e-07//62//98//AQ203073
R-NT2RM4001178
R-NT2RM4002420
10 R-NT2RP2000198//Homo sapiens Chromosome 16 BAC clone CIT987-SK37914 -complete genomic sequence, complete sequence.//0.58//108//67//AC002307
R-NT2RP2000551//Homo sapiens DNA, pseudoautosomal boundary-like sequence PABL2.//6.2e-72//391//87//D30043
R-NT2RP2000660//Homo sapiens chromosome 17, clone hRPK.640_L_15, complete sequence.//0.0058//166//69//AC005324
15 R-NT2RF2001214//Saccharomyces douglasii mitochondrial tRNA-Ser and tRNA-Phe genes, partial sequence, and Var1p (var1) gene, mitochondrial gene encoding mitochondrial protein, complete cds.//0.93//117//65//U49822
R-NT2RP2001460
R-NT2RP2001756//CIT-HSP-2382021.TR CIT-HSP Homo sapiens genomic clone 2382021, genomic survey sequence.//3.4e-91//507//92//AQ114228
20 R-NT2RP2002056//Homo sapiens DNA sequence from PAC 95C20 on chromosome Xp11.3-11.4. Contains STSs and the DXS7 locus with GT and GTG repeat polymorphisms, complete sequence.//0.00022//225//69//Z97181
R-NT2RP2002677//CIT-HSP-2349K20.TF CIT-HSP Homo sapiens genomic clone 2349K20, genomic survey sequence.//3.1e-29//178//94//AQ062168
R-NT2RP2002755//Human DNA sequence from cosmid U65A4, between markers DXS366 and DXS87 on chromosome X*.//5.3e-39//449//72//Z81014
25 R-NT2RP2002843//Homo sapiens chromosome 17, clone hRPK.22_N_12, complete sequence.//0.0097//498//59//AC005412
R-NT2RP2003101//CIT-HSP-238301.TR CIT-HSP Homo sapiens genomic clone 238301, genomic survey sequence.//1.2e-32//344//75//AQ196754
30 R-NT2RP2003799//3.6e-05//408//60//AL010237
R-NT2RP2004095//Plasmodium falciparum chromosome 4 strain 3D7, *** SEQUENCING IN PROGRESS ***, in unordered pieces.//2.1e-10//455//61//AL034557
R-NT2RP2004732//Human DNA sequence from clone 703H14 on chromosome 1q23.2-24.3 Contains 3' end of a novel gene, ESTs, CA repeat(D1S445), STS, GSSs, complete sequence.//5.1e-51//383//74//AL031287
35 R-NT2RP2004920//Homo sapiens chromosome 5, P1 clone 878H11 (LBNL H45), complete sequence.//0.062//315//61//AC005219
R-NT2RP2005454//Human DNA sequence from PAC 121G13 on chromosome 6 contains flow sorted chromosome 6 HindIII fragment ESTs. polymorphic CA repeat, CpG island, CpG island genomic fragments.//0.75//246//63//Z86062
40 R-NT2RP2005776//Homo sapiens PAC clone DJ1189D06 from 7p15.3-p14, complete sequence.//0.91//232//61//AC005232
R-NT2RP2005806//Human neurofibromatosis type 1 (NF1) gene, intron 19a, complete sequence.//1.3e-19//405//66//U37368
R-NT2RP2005882//Plasmodium falciparum MAL3P1, complete sequence.//1.1e-09//533//60//Z97348
45 R-NT2RP3001282//Plasmodium falciparum MAL3P8, complete sequence.//0.00026//499//58//AL034560
R-NT2RP3001723//Human BAC clone RG354L07 from 7q31, complete sequence.//0.00035//337//61//AC002466
R-NT2RP3002099//Homo sapiens chromosome 17, clone hCIT.296_K_1, complete sequence.//1.8e-44//307//86//AC005180
R-NT2RP3003155
50 R-NT2RP3004028//F14A6-Sp6 IGF Arabidopsis thaliana genomic clone F14A6, genomic survey sequence.//0.95//95//65//B21351
R-OVARC1000008
R-OVARC1000724//Homo sapiens BAC clone RG017K18 from 7q31, complete sequence.//0.91//83//71//AC005161
55 R-OVARC1000751//HS_2222_A2_C09_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2222 Col=18 Row=E, genomic survey sequence.//2.8e-12//176//72//AQ033143
R-OVARC1001029//Homo sapiens Xp22 Cosmid U151G1 (from Lawrence Livermore X library) and PAC RPCI1-93D11 (from Roswell Park Cancer Center) complete sequence.//1.2e-09//165//75//AC002357

EP 1 074 617 A2

R-PLACE1000814//Homo sapiens BAC clone GS465N13 from 7p15-p21, complete sequence.//6.2e-52//514//75//AC004744

R-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete cds.//9.6e-33//225//90//AF032387

5 R-PLACE10e5549//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K19P17, complete sequence.//0.097//323//61//AB007644

R-PLACE1007218//Homo sapiens chromosome 20 clone RP3-387E22, *** SEQUENCING IN PROGRESS ***, in unordered pieces.//1.1e-88//497//91//AL031660

10 Homology Search Result Data 10.

[0325] The result of the homology search of the Human Unigene using the clone sequence of 5'-end (54 clones selected in EXAMPLE 16.) .

[0326] Data include

15

the name of clone,
title of the top hit data,
the P-value: the length of the compared sequence: identity (%), and
the Accession No. of the top hit data, as in the order separated by //.

20

[0327] Data are not shown for the clones in which the P-value was higher than 1.

F-HEMBA1000497//ou15a11.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1626332 3', mRNA sequence.//1.0//186//65//AI018130

25

F-HEMBA1001750//Human mRNA for TI-227H.//2.5e-101//473//99//D50525

F-HEMBA1003854//Homo sapiens mRNA for KIAA1031 protein, partial cds.//7.2e-06//103//80//AB028954

F-HEMBA1004193//Homo sapiens mRNA for TL132.//0.75//334//59//AJ012755

F-HEMBA1004860//ny07e01.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1271064 3' similar to contains Alu repetitive element.; mRNA sequence.//3.7e-06//140//70//AA749151

30

F-HEMBA1005572//HZF-16=Kruppel-related zinc finger gene homolog {alternatively spliced} [human, hepatoblastoma cell line, HEP-G2, mRNA, 2080 nt].//1.1e-48//341//77//S54641

F-HEMBA1006038//Homo sapiens gene for insulin receptor substrate-2, complete cds.//0.036//297//60//AB000732

35

F-HEMBA1006092//ab80f12.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:853295 3' similar to contains Alu repetitive element.; mRNA sequence.//0.65//150//63//AA663266

F-HEMBA1006406//ws26e11.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2498348 3' similar to TR:002710 002710 GAG POLYPROTEIN ; mRNA sequence.//1.4e-32//518//67//AI989639

F-HEMBA1006650//Homo sapiens Arp2/3 protein complex subunit p20-Arc (ARC20) mRNA, complete cds.//1.3e-19//136//90//AF006087

40

F-HEMBA1006812//zh49f01.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:415417 3', mRNA sequence.//1.3e-120//579//98//W80404

F-HEMBA100672//Homo sapiens mRNA for KIAA1040 protein, partial cds.//0.00047//706//57//AB028963

F-HEMBA1001197//tq45e03.x1 NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:2211772 3' similar to TR:001940 001940 STRAWBERRY NOTCH.; mRNA sequence.//1.2e-16//117//92//AI580023

45

F-HEMBA1001871//Human chondroitin/dermatan sulfate proteoglycan (PG40) core protein mRNA, complete cds.//4.6e-26//527//62//M14219

F-MAMMA1001252

F-MAMMA1002094

50

F-NT2RM4000634//DKFZp434D1813_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434D1813 5', mRNA sequence.//9.7e-16//226//69//AL040136

F-NT2RM4000657//Homo sapiens mRNA for KIAA1069 protein, partial cds.//7.6e-179//817//99//AB028992

F-NT2RM4000783//wd82f06.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2338115 3', mRNA sequence.//1.8e-20//470//65//AI703299

55

F-NT2RM4000857//Homo sapiens KIAA0416 mRNA, partial cds.//1.9e-46//749//65//AB007876

F-NT2RM4001178//Homo sapiens protein tyrosine phosphatase (PAC-1) mRNA, complete cds.//0.0024//254//63//L11329

F-NT2RM4002420//wg39f11.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:2367501 3' similar to contains element L1 L1 repetitive element; mRNA sequence.//1.4e-13//127//84//AI742251

EP 1 074 617 A2

F-NT2RP2000198//Human mRNA for platelet glycoprotein IX.//0.0033//241//62//X52997
 F-NT2RP2000551//ze37d12.s1 Soares retina N2b4HR Homo sapiens cDNA clone IMAGE:361175 3', mRNA sequence.//5.0e-07//116//71//AA017066
 5 F-NT2RP2000660//qx01g11.x1 NCI_CGAP_Br14 Homo sapiens cDNA clone IMAGE:1999364 3', mRNA sequence.//0.027//120//65//AI225283
 F-NT2RP2001214
 F-NT2RP2001460//wb50h10.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2309155 3', mRNA sequence.//0.0013//89//78//AI651878
 F-NT2RP2001756//zw54e12.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:773902 3'
 10 similar to TR:G456660 G456660 ZINC FINGER PROTEIN ZFP-1 ; mRNA sequence.//2.3e-18//120//93//AA427992
 F-NT2RP2002056//tw44g09.x1 NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:2262592 3' similar to contains Alu repetitive element; mRNA sequence.//2.4e-07//99//79//AI811687
 F-NT2RP2002677
 F-NT2RP2002755//zj83d10.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:461491
 15 3' similar to contains element TAR1 repetitive element ; mRNA sequence.//1.9e-19//229//76//AA705059
 F-NT2RP2002843//wt88dl2.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2514551 3' similar to TR: P79522 P79522 MHC CLASS I REGION PROLINE RICH PROTEIN.; mRNA sequence.//8.2e-15//314//67//AI964055
 F-NT2RP2003101//wi65a03.x1 NCI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2398156 3', mRNA sequence.//0.38//106//68//AI763133
 20 F-NT2RP2003799//Homo sapiens mRNA; cDNA DKFZp564C142 (from clone DKFZp564C142).//2.5e-29//124//91//AL049979
 F-NT2RP2004095
 F-NT2RP2004732//Homo sapiens mRNA for KIAA0884 protein, partial cds.//2.6e-109//533//96//AB020691
 25 F-NT2RP2004920//wz68d10.x1 NCI_CGAP_Mel15 Homo sapiens cDNA clone IMAGE:2563219 3' similar to TR: 000172 000172 LINE-1 REVERSE TRANSCRIPTASE ; mRNA sequence.//0.0020//220//61//AI969546
 F-NT2RP2005454//Homo sapiens mRNA for KIAA0977 protein, complete cds.//0.058//143//69//AB023194
 F-NT2RP2005776//H.sapiens PAP mRNA.//4.3e-35//451//68//X76770
 F-NT2RP2005806//HSZ78328 Human fetal brain S. Meier-Ewert Homo sapiens cDNA clone 2.48 (CEPH) 3', mRNA sequence.//2.0e-05//385//62//Z78328
 30 F-NT2RP2005882//Human mRNA for KIAA0364 gene, complete cds.//7.3e-23//141//94//AB002362
 F-NT2RP3001282
 F-NT2RP3001723//ws73d05.x1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:2503593 3' similar to contains MSR1.t1 TAR1 TAR1 repetitive element ; mRNA sequence.//2.6e-07//245//66//AW008782
 35 F-NT2RP3002099//yg49d01.s1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:36239 3', mRNA sequence.//0.58//164//64//R46086
 F-NT2RP3003155
 F-NT2RP3004028//Homo sapiens mRNA for KIAA1074 protein, complete cds.//1.3e-29//488//66//AB028997
 F-OVARC1000008//Homo sapiens mRNA for KIAA0665 protein, complete cds.//0.00032//430//59//AB014565
 40 F-OVARC1000724//Homo sapiens mRNA for KIAA0641 protein, complete cds.//0.0054//426//58//AB014541
 F-OVARC1000751//Human Tis11d gene, complete cds.//4.6e-12//527//62//U07802
 F-OVARC1001029//qv29c05.x1 NCI_CGAP_Ov31 Homo sapiens cDNA clone IMAGE:1982984 3' similar to contains element L1 repetitive element ; mRNA sequence.//0.0012//145//68//AI252422
 F-PLACE1000814//ak42f05.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1408641 3', mRNA sequence.//7.1e-31//275//76//AA868469
 45 F-PLACE1003030
 F-PLACE1005549//Homo sapiens mRNA for Rho guanine nucleotide-exchange factor, splice variant NET1A.//1.2e-57//737//67//AJ010046
 F-PLACE1007218//yo34a08.s1 Soares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE:179798 3', mRNA sequence.//2.2e-21//216//76//H52716
 50

Homology Search Result Data 11.

- [0328] The result of the homology search of the Human Unigene using the clone sequence of 3'-end (54 clones selected in EXAMPLE 16.).
 55 [0329] Data include

the name of clone,

EP 1 074 617 A2

title of the top hit data,
the P-value: the length of the compared sequence: identity (%), and
the Accession No. of the top hit data, as in the order separated by //.

5 [0330] Blank indicates that the 3'-end sequence corresponding to the 5'-end was not determined in the clone.

[0331] Data are not shown for the clones in which the P-value was higher than 1.

R-HEMBA1000497//np09h02.s1 NCI_CGAP_Pr3 Homo sapiens cDNA clone IMAGE:1115859 similar to contains
Alu repetitive element;contains element MER22 repetitive element ; mRNA sequence.//6.2e-38//185//83//
10 AA614254
R-HEMBA1001750//yy71b10.s1 Soares_multiple_sclerosis_2NbHMSF Homo sapiens cDNA clone IMAGE:
278971 3', mRNA sequence.//0.004511193//63//N63303
R-HEMBA1003854//Homo sapiens mRNA; cDNA DKFZp564F133 (from clone DKFZp564F133)//3.4e-72//310//
80//AL049263
15 R-HEMBA1004193//tr01e08.x1 NCI_CGAP_Ov23 Homo sapiens cDNA clone IMAGE:2217062 3' similar to con-
tains Alu repetitive element;contains element MER4 repetitive element ; mRNA sequence.//1.5e-33//186//81//
AI914747
R-HEMBA1004860//qh16b06.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1844819 3', mRNA
sequence.//0.017//118//69//AI218308
20 R-HEMBA1005572//wj16h05.x1 NCI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2403033 3', mRNA se-
quence.//4.6e-111//522//99//AI861830
R-HEMBA1006038//DKFZp434E1117_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434E1117 5',
mRNA sequence.//1.2e-22//295//72//AL041450
R-HEMBA1006092//qt30d09.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE: 1949489
25 3' similar to contains element PTR5 repetitive element ; mRNA sequence.//1.4e-87//422//98//AI337963
R-HEMBA1006406//Homo sapiens mRNA for KIAA0752 protein, partial cds.//4.1e-30//291-//76//AB018295
R-HEMBA1006650//H.sapiens mRNA for serine/threonine protein kinase EMK.//3.6e-09//319//62//X97630
R-HEMBA1006812//Human mRNA for KIAA0118 gene, partial cds.//3.1e-52//337//87//D42087
R-HEMBA100672//Homo sapiens mRNA; cDNA DKFZp434M011 (from clone DKFZp434M011)//3.2e-48//276//
30 74//AL096734
R-HEMBA1001197//zt35b11.r1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:724317 5' similar
to contains Alu repetitive element; mRNA sequence.//9.9e-44//275//88//AA410788
R-HEMBA1001871//wg20c02.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:
2365634 3', mRNA sequence.//6.3e-104//501//98//AI741321
35 R-MAMMA1001252//aa61h04.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:825463 3' similar to con-
tains Alu repetitive element;contains element XTR repetitive element ; mRNA sequence.//9.0e-19//127//91//
AA504355
R-MAMMA1002094//wd28h12.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2329511 3', mR-
NA sequence.//2.5e-68//328//99//AI936520
40 R-NT2RM4000634//DKFZp434F2016_s1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434F2016 3',
mRNA sequence.//8.2e-20//185//81//AL041146
R-NT2RM4000657//Homo sapiens mRNA for KIAA1069 protein, partial cds.//5.7e-62//335//94//AB028992
R-NT2RM4000783
R-NT2RM4000857//Human megakaryocyte stimulating factor mRNA, complete cds.//0.00074//360//61//U70136
45 R-NT2RM4001178//tk08e03.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2150428 3', mRNA se-
quence.//0.77//96//62//AI457506
R-NT2RM4002420//wi58b04.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2429071 3', mRNA se-
quence.//2.4e-85//438//94//AI857508
R-NT2RP2000198//nx19b11.s1 NCI_CGAP_GC3 Homo sapiens cDNA clone IMAGE:1256541 3', mRNA se-
50 quence.//1.9e-45//270//91//AA738352
R-NT2RP2000551//tg80h11.x1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:2115141 3', mRNA se-
quence.//3.3e-53//311//85//AI417680
R-NT2RP2000660//ns42a06.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1186258 3', mRNA se-
quence.//4.3e-26//142//97//AA805691
55 R-NT2RP2001214//tw65g08.x1 NCI_CGAP_Ut3 Homo sapiens cDNA clone IMAGE:2264606 3' similar to contains
element MSR1 repetitive element ; mRNA sequence.//1.5e-57//289//97//AI680174
R-NT2RP2001460
R-NT2RP2001756//zw54e12.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:773902 3'

EP 1 074 617 A2

similar to TR:G456660 G456660 ZINC FINGER PROTEIN ZFP-1 ; mRNA sequence //6.0e-13//85//96//AA427992
R-NT2RP2002056//yh26a12.s1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:130846 3', mRNA
sequence//0.0016//208//65//R22302
R-NT2RP2002677//Homo sapiens mRNA for KIAA0524 protein, partial cds//3.4e-26//339//71//AB011096
5 R-NT2RP2002755//qd50d10.x1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:1732915 3',
mRNA sequence//1.5e-26//419//66//AI190698
R-NT2RP2002843//at31f08.x1 Barstead colon HPLRB7 Homo sapiens cDNA clone IMAGE:2373639 3' similar to
contains L1.t1 L1 repetitive element; mRNA sequence//1.8e-45//463//74//AI749673
10 R-NT2RP2003101//ty24h05.x1 NCI_CGAP_Ui3 Homo sapiens cDNA clone IMAGE:2280057 3', mRNA se-
quence//7.5e-73//347//99//AI758824
R-NT2RP2003799//Homo sapiens mRNA for KIAA0751 protein, complete cds//0.0026//247//65//AB018294
R-NT2RP2004095//zv08c02.s1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:753026 3' similar to con-
tains element MER32 repetitive element ; mRNA sequence//9.6e-07//188//66//AA436455
15 R-NT2RP2004732//tu60a07.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2255412 3' similar to con-
tains Alu repetitive element;contains element L1 repetitive element ; mRNA sequence//4.3e-25//414//68//
AI678956
R-NT2RP2004920//wd13h02.x1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:2328051 3', mRNA se-
quence//6.8e-91//483//93//AI694022
20 R-NT2RP2005454//yy77g09.s1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone IMAGE:
279616 3', mRNA sequence//0.0070//325//59//N48302
R-NT2RP2005776//qq97d06.x1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:1939307 3',
mRNA sequence//7.5e-08//89//82//AI338419
R-NT2RP2005806//wc29h01.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2316625 3' similar to con-
tains MER2.b3 MER2 repetitive element ; mRNA sequence//3.2e-16//235//71//AI671398
25 R-NT2RP2005882//wo31f09.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2456969 3', mRNA se-
quence//0.00095//352//59//AI925528
R-NT2RP3001282//wg35b03.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:
2367053 3', mRNA sequence//1.7e-113//555//97//AI769199
R-NT2RP3001723//wo48e06.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2458594 3', mRNA se-
30 quence//4.2e-98//471//98//AI926617
R-NT2RP3002099//DKFZp564L227_s1 564 (synonym: hibr2) Homo sapiens cDNA clone DKFZp564L227 3', mR-
NA sequence//9.2e-50//329//87//AL037910
R-NT2RP3003155//zp07a07.s1 Stratagene ovarian cancer (#937219) Homo sapiens cDNA clone IMAGE:595668
3' mRNA sequence//1.4e-30//159//99//AA173172
35 R-NT2RP3004028//Homo sapiens protein kinase C-alpha mRNA, partial 3' UTR//0.43//66//75//AF035594
R-OVARC1000008//wa69e12.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2301454 3', mRNA
sequence//1.0e-77//376//98//AI699393
R-OVARC1000724//tf94b10.x1 NCI_CGAP_CLL1 Homo sapiens cDNA clone IMAGE:2106907 3', mRNA se-
40 quence//0.71//271//100//AI380236
R-OVARC1000751//og93d04.s1 NCI_CGAP_Kid5 Homo sapiens cDNA clone IMAGE:1455847 3', mRNA se-
quence//3.5e-13//274//63//AA863306
R-OVARC1001029//yz96e02.r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:290906 5' similar
to contains Alu repetitive element;contains element PTR5 repetitive element ; mRNA sequence//3.5e-13//175//74//
N99464
45 R-PLACE1000814//tg49a08.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2112086 3' similar
to contains L1.t2 L1 L1 repetitive element; mRNA sequence//2.2e-18//285//69//AI424789
R-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete
cds//4.0e-34//225//90//AF032387
R-PLACE1005549//tm26b11.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2157693 3', mRNA
50 sequence//0.91//127//66//AI480253
R-PLACE1007218//yq06e01.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:196152 5'
similar to contains Alu repetitive element;contains LTR4 repetitive element; mRNA sequence//2.4e-36//245//87//
R92256

55 Homology Search Result Data 12.

[0332] Data obtained by the homology search for full-length nucleotide sequences and deduced amino acid sequenc-
es. Each data includes Clone name, Definition in hit data, P value, Length of sequence to be compared, Homology,

EP 1 074 617 A2

and Accession number (No.) of hit data. These items are shown in this order and separated by a double-slash mark, //.

- C-HEMBA1000012//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE) (LEURS)//6.4E-99//457aa//45%//Q09996
- 5 C-HEMBA1000020//Homo sapiens beta 2 gene//7.5E-264//1194bp//95%//X02344
- C-HEMBA1000129//HYTOTHEICAL HELICASE C8A4.08C IN CHROMOSOME I//3.8E-25//166aa//36%//Q09884
- C-HEMBA1000201//Homo sapiens mRNA for integrase interactor 1b protein (INI1B)//0//1612bp//99%//AJ011738
- C-HEMBA1000216//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PRO-
- 10 TEIN)//1E-86//146aa//56%//Q61221
- C-HEMBA1000231
- C-HEMBA1000264
- C-HEMBA1000280
- C-HEMBA1000282
- 15 C-HEMBA1000303//"Mus musculus Plenty of SH3s (POSH) mRNA, complete cds."//7.1E-254//1440bp//87%//AF030131
- C-HEMBA1000333//"Homo sapiens mRNA for KIAA0874 protein, partial cds."//4.8E-253//1148bp//99%//AB020681
- C-HEMBA1000351
- 20 C-HEMBA1000356//Homo sapiens mRNA; cDNA DKFZp566C243 (from clone DKFZp566C243)//3.3E-287//815bp//98%//AL050274
- C-HEMBA1000396
- C-HEMBA1000411//ANKYRIN//5.7E-12//127aa//38%//Q02357
- C-HEMBA1000442
- 25 C-HEMBA1000456
- C-HEMBA1000504
- C-HEMBA1000518//PECANEX PROTEIN//2.1E-19//227aa//38%//P18490
- C-HEMBA1000519
- C-HEMBA1000523//TESTIS-SPECIFIC PROTEIN PBS13//2.4E-44//292aa//36%//Q01755
- 30 C-HEMBA1000542//"Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds."//2.2E-194//663bp//83%//D89340
- C-HEMBA1000545
- C-HEMBA1000557
- C-HEMBA1000592//"Homo sapiens sorting nexin 6 (SNX6) mRNA, complete cds."//0//1465bp//99%//
- 35 AF121856
- C-HEMBA1000594
- C-HEMBA1000604
- C-HEMBA1000622
- C-HEMBA1000637
- 40 C-HEMBA1000655
- C-HEMBA1000657//"Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds."//7.2E-156//1366bp//76%//U35776
- C-HEMBA1000749
- C-HEMBA1000769
- 45 C-HEMBA1000773
- C-HEMBA1000774
- C-HEMBA1000822
- C-HEMBA1000843
- C-HEMBA1000852//ARYLSULFATASE D PRECURSOR (EC 3.1.6.-) (ASD)//1E-78//119aa//87%//P51689
- 50 C-HEMBA1000870
- C-HEMBA1000908
- C-HEMBA1000934
- C-HEMBA1000972
- C-HEMBA1000986
- 55 C-HEMBA1000991
- C-HEMBA1001008
- C-HEMBA1001059//"Human N-acetylgalactosamine 6-sulphatase (GALNS) gene, exon 14."//4.8E-169//786bp//99%//U06088

EP 1 074 617 A2

C-HEMBA1001094
 C-HEMBA1001302//"Homo sapiens calcium binding protein precursor, mRNA, complete cds."//9.6E-258//682bp//94%//AF153686
 C-HEMBA1001330
 5 C-HEMBA1001497
 C-HEMBA1001569//SYNAPTOBREVIN 2 (VESICLE ASSOCIATED MEMBRANE PROTEIN 2) (VAMP-2)//2.3E-53//110aa//100%//P19065
 C-HEMBA1001570
 C-HEMBA1001620//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS)//1.6E-166//506aa//60%//P42803
 10 C-HEMBA1001640
 C-HEMBA1001655
 C-HEMBA1001672//"Homo sapiens methyl-CpG binding domain-containing protein MBD3 (MBD3) mRNA, complete cds."//0//1707bp//98%//AF072247
 15 C-HEMBA1001711
 C-HEMBA1001723//"Rattus norvegicus G beta-like protein GBL mRNA, complete cds."//4.7E-172//1240bp//81%//AF051155
 C-HEMBA1001746//"Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds."//7.6E-59//998bp//64%//AF098066
 20 C-HEMBA1001781
 C-HEMBA1001804//"Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds."//0//1637bp//99%//AF125158
 C-HEMBA1001822//"Mus musculus Ese2L protein mRNA, complete cds."//1.9E-235//1329bp//89%//AF132479
 25 C-HEMBA1001824
 C-HEMBA1001866//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT)//5.7E-51//234aa//41%//Q09332
 C-HEMBA1001910
 C-HEMBA1001913//GCN20 PROTEIN//2.3E-81//158aa//50%//P43535
 30 C-HEMBA1001921//"Homo sapiens germinal center kinase related protein kinase mRNA, complete cds."//0//1850bp//99%//AF000145
 C-HEMBA1001939
 C-HEMBA1001950//"Homo sapiens mRNA for KIAA0971 protein, complete cds."//0//1974bp//99%//AB023188
 35 C-HEMBA1001967//"Homo sapiens NY-REN-57 antigen mRNA, partial cds."//0//1721bp//99%//AF155114
 C-HEMBA1002035//Homo sapiens mRNA; cDNA DKFZp586E0518 (from clone DKFZp586E0518)//0//2149bp//99%//AL050089
 C-HEMBA1002092//"Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds."//1.3E-271//1583bp//88%//U92703
 40 C-HEMBA1002102//ANKYRIN//4.40E-10//106aa//35%//Q02357
 C-HEMBA1002150
 C-HEMBA1002151//"Rattus norvegicus p34 mRNA, complete cds."//1.1E-153//1059bp//82%//AF178669
 45 C-HEMBA1002189
 C-HEMBA1002215//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)]//2.2E-199//392aa//89%//P47226
 C-HEMBA1002229
 C-HEMBA1002241//PROLIFERATING-CELL NUCLEOLAR ANTIGEN P120 (PROLIFERATION-ASSOCIATED NUCLEOLAR PROTEIN P120)//3.70E-06//95aa//33%//P46087
 50 C-HEMBA1002341//"Homo sapiens mRNA for KIAA0771 protein, partial cds."//0//1514bp//99%//AB018314
 C-HEMBA1002417//"Homo sapiens chromosome 19, cosmid R28784, complete sequence."//1.4E-299//294bp//100%//AC005954
 C-HEMBA1002547//"Homo sapiens agrin precursor mRNA, partial cds."//0//1605bp//97%//AF016903
 55 C-HEMBA1002703
 C-HEMBA1002779
 C-HEMBA1002816
 C-HEMBA1002970

EP 1 074 617 A2

C-HEMBA1002999//"Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds.
"1.4E-171//1552bp//75%//U20286

C-HEMBA1003021

C-HEMBA1003077//SLIT PROTEIN PRECURSOR.//2.6E-15//199aa//31%//P24014

5 C-HEMBA1003079

C-HEMBA1003273

C-HEMBA1003304

C-HEMBA1003309

C-HEMBA1003376

10 C-HEMBA1003384

C-HEMBA1003531

C-HEMBA1003548

C-HEMBA1003556

C-HEMBA1003571

15 C-HEMBA1003579

C-HEMBA1003684//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN).//2E-73//526aa//32%//Q13105

C-HEMBA1003692

C-HEMBA1003720

C-HEMBA1003725

20 C-HEMBA1003729

C-HEMBA1003758

C-HEMBA1003773//"Mus musculus signal recognition particle receptor beta subunit mRNA, complete cds.
"5.8E-81//511bp//86%//U17343

C-HEMBA1003783//"Mus musculus bromodomain-containing protein BP75 mRNA, complete cds."1.1E-190//1204bp//84%//AF084259

25 C-HEMBA1003799

C-HEMBA1003804

C-HEMBA1003805//"Mus musculus KH domain RNA binding protein QKI-5A mRNA, complete cds."0//988bp//95%//AF090402

30 C-HEMBA1003836//MOB1 PROTEIN (MPS1 BINDER 1).//8.10E-31//134aa//52%//P40484

C-HEMBA1003856

C-HEMBA1003866//"Mus musculus semaphorin VIa mRNA, complete cds."1.2E-105//1192bp//70%//AF030430

C-HEMBA1003879

35 C-HEMBA1003880

C-HEMBA1003893

C-HEMBA1003908

C-HEMBA1003937

C-HEMBA1003942

40 C-HEMBA1003958

C-HEMBA1003976

C-HEMBA1003978//"Homo sapiens mRNA for KIAA0840 protein, partial cds."0//1530bp//100%//AB020647

C-HEMBA1003985

45 C-HEMBA1004011

C-HEMBA1004024

C-HEMBA1004038

C-HEMBA1004045

C-HEMBA1004048

50 C-HEMBA1004111//"Homo sapiens mRNA for KIAA1276 protein, partial cds."1.00E-163//751bp//99%//AB033102

C-HEMBA1004131//SEPTIN 2 HOMOLOG (FRAGMENT)//1.6E-166//416aa//72%//Q14141

C-HEMBA1004138

C-HEMBA1004143

55 C-HEMBA1004150

C-HEMBA1004168//"Homo sapiens geminin mRNA, complete cds."3.9E-208//951 bp//99%//AF067855

C-HEMBA1004200

EP 1 074 617 A2

C-HEMBA1004202//RAS-RELATED PROTEIN RAB-13//6.2E-30//208aa//37%/P51153
 C-HEMBA1004203//NUCLEOLAR PROTEIN NOP2//1.5E-12//258aa//29%/P40991
 C-HEMBA1004238
 C-HEMBA1004248//"Homo sapiens insulin induced protein 2 mRNA, complete cds."//8.20E-175//
 5 552bp//97%/AF125392
 C-HEMBA1004272
 C-HEMBA1004274
 C-HEMBA1004275//"Homo sapiens mRNA for KIAA1111 protein, partial cds."//0//1341bp//99%/AB029034
 10 C-HEMBA1004286//"Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds."//0//1982bp//99%/AF022795
 C-HEMBA1004312
 C-HEMBA1004321//ZINC FINGER PROTEIN 184 (FRAGMENT)//2.3E-93//357aa//42%/Q99676
 C-HEMBA1004323
 15 C-HEMBA1004327
 C-HEMBA1004330
 C-HEMBA1004341
 C-HEMBA1004366
 C-HEMBA1004372
 20 C-HEMBA1004389//"Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds."//0//1437bp//99%/AF125158
 C-HEMBA1004394
 C-HEMBA1004408//PEPTIDYL-PROLYL CIS-TRANS ISOMERASE 10 (EC 5.2.1.8) (PPIASE) (ROTAMASE) (CY-CLOPHILIN-10)//3.2E-32//148aa//52%/P52017
 25 C-HEMBA1004429
 C-HEMBA1004460
 C-HEMBA1004461
 C-HEMBA1004502
 C-HEMBA1004554
 30 C-HEMBA1004560
 C-HEMBA1004610
 C-HEMBA1004629
 C-HEMBA1004632
 C-HEMBA1004637
 35 C-HEMBA1004670
 C-HEMBA1004672
 C-HEMBA1004697
 C-HEMBA1004711
 C-HEMBA1004725
 40 C-HEMBA1004730
 C-HEMBA1004734//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42)//9.9E-39//143aa//52%/P42743
 C-HEMBA1004751
 C-HEMBA1004752
 45 C-HEMBA1004889//"Human C3f mRNA, complete cds."//6.70E-24//341aa//26%/U72515
 C-HEMBA1004934
 C-HEMBA1004944
 C-HEMBA1004973
 C-HEMBA1004977
 50 C-HEMBA1005009//"Homo sapiens BAF53a (BAF53a) mRNA, complete cds."//0//1813bp//99%/AF041474
 C-HEMBA1005083
 C-HEMBA1005113
 C-HEMBA1005133
 55 C-HEMBA1005185
 C-HEMBA1005219//NUCLEAR PROTEIN SNF7//5.3E-10//189aa//25%/P39929
 C-HEMBA1005252//"Homo sapiens mRNA for KIAA0585 protein, partial cds."//1.2E-268//1215bp//99%/AB011157

EP 1 074 617 A2

C-HEMBA1005296
 C-HEMBA1005314
 C-HEMBA1005331
 C-HEMBA1005394
 5 C-HEMBA1005403
 C-HEMBA1005423//"Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds.
 "//2E-213//537bp//99%//AF041248
 C-HEMBA1005468
 C-HEMBA1005469
 10 C-HEMBA1005474
 C-HEMBA1005517
 C-HEMBA1005518
 C-HEMBA1005528//CCR4-ASSOCIATED FACTOR 1 (CAF1).//3.1E-154//285aa//99%//Q60809
 C-HEMBA1005558//NUCLEAR PROTEIN SNF7.//6.40E-16//170aa//31%//P39929
 15 C-HEMBA1005576//"Homo sapiens mRNA for KIAA0463 protein, partial cds."//1.1E-181//835bp//
 99%//AB007932
 C-HEMBA1005582//"TROPOMYOSIN 1, NON-MUSCLE ISOFORM (TROPOMYOSIN II) (CYTOSKELETAL
 TROPOMYOSIN)."//0.00000009//213aa//27%//P09492
 C-HEMBA1005583
 20 C-HEMBA1005595//"DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC)."//2.3E-54//562aa//29%//P34036
 C-HEMBA1005609//Homo sapiens mRNA; cDNA DKFZp564K133 (from clone DKFZp564K133).//2.2E-315//
 1448bp//99%//AL050012
 C-HEMBA1005621//"Homo sapiens Mad2B protein (MAD2B) mRNA, complete cds."//2.9E-224//
 1031bp//99%//AF139365
 25 C-HEMBA1005666
 C-HEMBA1005680
 C-HEMBA1005685
 C-HEMBA1005737//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT).//
 4.4E-17//167aa//34%//P25296
 30 C-HEMBA1005746
 C-HEMBA1005755
 C-HEMBA1005813
 C-HEMBA1005822
 C-HEMBA1005834
 35 C-HEMBA1005884
 C-HEMBA1005891
 C-HEMBA1005909
 C-HEMBA1005911
 C-HEMBA1005931
 40 C-HEMBA1005963
 C-HEMBA1005991
 C-HEMBA1006005
 C-HEMBA1006031//"Homo sapiens mRNA for putative phospholipase, complete cds."//0//1413bp//
 99%//AB019435
 45 C-HEMBA1006067
 C-HEMBA1006081
 C-HEMBA1006091
 C-HEMBA1006100
 C-HEMBA1006108//"Homo sapiens mRNA for KIAA0943 protein, partial cds."//4.8E-245//764bp//
 99%//AB023160
 50 C-HEMBA1006121
 C-HEMBA1006130//SEL-10 PROTEIN.//0.000000043//219aa//25%//Q93794
 C-HEMBA1006155
 C-HEMBA1006158//"Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds."
 55 //0//1551bp//99%//AF048693
 C-HEMBA1006182
 C-HEMBA1006198//PROLINE-RICH PROTEIN MP-2 PRECURSOR.//1.9E-19//215aa//39%//P05142
 C-HEMBA1006235//Homo sapiens clone 24422 mRNA sequence.//0//1615bp//99%//AF070557

EP 1 074 617 A2

C-HEMBA1006253//DNA-DAMAGE-REPAIR/TOLERATION PROTEIN DRT111 PRECURSOR//0.00000002//
 62aa//53%/P42698
 C-HEMBA1006259
 C-HEMBA1006272//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-)//1.3E-123//200aa//73%/P10265
 5 C-HEMBA1006278//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-
 FERASE)//1E-210//490aa//77%/P25500
 C-HEMBA1006283//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB2//0.00000012//176aa//
 30%/P32505
 C-HEMBA1006284
 10 C-HEMBA1006291//2-ARYLPROPIONYL-COA EPIMERASE (EC 5.-.-.-)//4.2E-12//215aa//23%/P70473
 C-HEMBA1006293
 C-HEMBA1006309//HYPOTHETICAL 54.2 KD PROTEIN IN ERP5-ORC6 INTERGENIC REGION//1.4E-48//
 248aa//43%/P38821
 C-HEMBA1006349
 15 C-HEMBA1006364
 C-HEMBA1006381
 C-HEMBA1006398//"Human L1 element L1.6 putative p150 gene, complete cds."//2E-277//1729bp//
 85%/U93563
 C-HEMBA1006445//"Homo sapiens putative tumor supressor NOEY2 mRNA, complete cds."//1.4E-
 20 270//1224bp//100%/U96750
 C-HEMBA1006483
 C-HEMBA1006492
 C-HEMBA1006497
 C-HEMBA1006502
 25 C-HEMBA1006507//"Homo sapiens mRNA for KIAA0666 protein, partial cds."//0//2334bp//99%/
 AB014566
 C-HEMBA1006535
 C-HEMBA1006559//"Mus musculus PRAJA1 (Praja1) mRNA, complete cds."//2.8E-206//1107bp//83
 %//U06944
 30 C-HEMBA1006566
 C-HEMBA1006579
 C-HEMBA1006583
 C-HEMBA1006612
 C-HEMBA1006624//DNA/PANTOTHENATE METABOLISM FLAVOPROTEIN HOMOLOG//0.00000069//109aa//
 35 38%/Q58323
 C-HEMBA1006643
 C-HEMBA1006674
 C-HEMBA1006682
 C-HEMBA1006708//HYPOTHETICAL 46.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMC1-TFG2
 40 INTERGENIC REGION//3.3E-22//241aa//31%/P53196
 C-HEMBA1006717
 C-HEMBA1006744
 C-HEMBA1006754
 C-HEMBA1006767
 45 C-HEMBA1006789
 C-HEMBA1006832
 C-HEMBA1006885//"Homo sapiens gene for Proline synthetase associated, complete cds."//0//
 1467bp//96%/AB018566
 C-HEMBA1006900
 50 C-HEMBA1006926
 C-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein//1.8E-226//1039bp//99%/
 AJ010841
 C-HEMBA1006973//"Homo sapiens rab3-GAP regulatory domain mRNA, complete cds."//5.6E-143//
 740bp//94%/AF004828
 55 C-HEMBA1006993
 C-HEMBA1007002
 C-HEMBA1007062
 C-HEMBA1007080

EP 1 074 617 A2

C-HEMBA1007087//HYPOTHETICAL PROTEIN MJ0162 //2E-45//304aa//32%//Q57626
 C-HEMBA1007112//Homo sapiens mRNA; cDNA DKFZp586C1817 (from clone DKFZp586C1817) //0//1619bp//
 99%//AL117450
 C-HEMBA1007194//"Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds.
 5 " //0//1588bp//99%//AF139658
 C-HEMBA1007206
 C-HEMBA1007256
 C-HEMBA1007267
 C-HEMBA1007281
 10 C-HEMBA1007300//"Homo sapiens 3',5'-cyclic nucleotide phosphodiesterase 10A1 (PDE10A) mRNA,
 splice variant 1, complete cds. " //0//1519bp//99%//AF127479
 C-HEMBA1007301
 C-HEMBA1007319
 C-HEMBA1007320
 15 C-HEMBA1007327
 C-HEMBA1007347
 C-HEMBB1000005
 C-HEMBB1000030
 C-HEMBB1000048
 20 C-HEMBB1000099
 C-HEMBB1000141
 C-HEMBB1000198
 C-HEMBB1000217//"Homo sapiens SUMO-1-activating enzyme E1 N subunit (SUA1) mRNA, complete cds.
 " //0//1038bp//99%//AF090385
 25 C-HEMBB1000218
 C-HEMBB1000274
 C-HEMBB1000312
 C-HEMBB1000402
 C-HEMBB1000420
 30 C-HEMBB1000480
 C-HEMBB1000530
 C-HEMBB1000550
 C-HEMBB1000556//"Homo sapiens mRNA for KIAA0750 protein, complete cds. " //6.3E-74//1213bp//
 64%//AB018293
 35 C-HEMBB1000586
 C-HEMBB1000592
 C-HEMBB1000593//"Homo sapiens transferrin receptor 2 alpha (TFR2) mRNA, complete cds. " //1.3E-
 107//503bp//99%//AF067864
 C-HEMBB1000649
 40 C-HEMBB1000693//"Homo sapiens neuroan1 mRNA, complete cds. " //0//2952bp//94%//AF040723
 C-HEMBB1000822
 C-HEMBB1000826
 C-HEMBB1000890
 C-HEMBB1000915//SUBTILISIN-LIKE PROTEASE PACE4 PRECURSOR (EC 3.4.21.-) //1.10E-08//129aa//
 45 31%//P29122
 C-HEMBB1001008
 C-HEMBB1001020//"Homo sapiens mRNA for KIAA0889 protein, complete cds. " //0//1812bp//98%//
 AB020696
 C-HEMBB1001051
 50 C-HEMBB1001112//"Homo sapiens sec61 homolog mRNA, complete cds. " //6E-145//961bp//83%//
 AF077032
 C-HEMBB1001221
 C-HEMBB1001234//65 KD YES-ASSOCIATED PROTEIN (YAP65) //5.4E-93//196aa//54%//P46938
 C-HEMBB1001282//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN) //7E-43//394aa//34%//
 55 P16157
 C-HEMBB1001302
 C-HEMBB1001335
 C-HEMBB1001337

C-HEMBB1001356
 C-HEMBB1001364
 C-HEMBB1001366
 C-HEMBB1001367
 5 C-HEMBB1001527
 C-HEMBB1001537
 C-HEMBB1002359
 C-HEMBB1002415
 C-HEMBB1002457
 10 C-HEMBB1002492
 C-HEMBB1002495
 C-HEMBB1002502
 C-HEMBB1002550//HYPOTHETICAL UOG-1 PROTEIN.//5E-28//266aa//33%//P27544
 C-HEMBB1002600//"Homo sapiens tetraspan NET-5 mRNA, complete cds."//0//1417bp//99%//
 15 AF089749
 C-HEMBB1002607//"Homo sapiens vitamin D3 receptor interacting protein (DRIP80) mRNA, complete cds.
 "//2E-136//660bp//98%//AF105421
 C-HEMBB1002684
 C-HEMBB1002692
 20 C-HEMBB1002697
 C-HEMBB1002705//"Homo sapiens CGI-27 protein mRNA, complete cds."//7.80E-285//841bp//96%//
 AF132961
 C-MAMMA1000019
 C-MAMMA1000020//H.sapiens mRNA for flavin-containing monooxygenase 5 (FM05).//8.2E-198//868bp//99%//
 25 Z47553
 C-MAMMA1000025
 C-MAMMA1000055//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)].//1.5E-90//323aa//48%//P47226
 C-MAMMA1000069
 C-MAMMA1000084
 30 C-MAMMA1000139
 C-MAMMA1000163
 C-MAMMA1000171
 C-MAMMA1000173//"Homo sapiens src homology 3 domain-containing protein HIP-55 mRNA, complete
 cds."//2.6E-164//1044bp//87%//AF197060
 35 C-MAMMA1000277
 C-MAMMA1000278
 C-MAMMA1000284//P.walti mRNA for mp associated protein 55.//2.2E-109//864bp//76%//X99836
 C-MAMMA1000309
 C-MAMMA1000312
 40 C-MAMMA1000313
 C-MAMMA1000361
 C-MAMMA1000388//"Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds."//
 0//1466bp//99%//AB015132
 C-MAMMA1000395
 45 C-MAMMA1000410
 C-MAMMA1000416//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III.//2.00E-30//119aa//
 53%//Q09232
 C-MAMMA1000421
 C-MAMMA1000422
 50 C-MAMMA1000468
 C-MAMMA1000472
 C-MAMMA1000490
 C-MAMMA1000524
 C-MAMMA1000567
 55 C-MAMMA1000612//"Rattus norvegicus G beta-like protein GBL mRNA, complete cds."//1E-95//
 1115bp//72%//AF051155
 C-MAMMA1000623
 C-MAMMA1000625//GYP7 PROTEIN.//2.1E-41//198aa//40%//P48365

EP 1 074 617 A2

C-MAMMA1000664
C-MAMMA1000670
C-MAMMA1000672//VITELLOGENIC CARBOXYPEPTIDASE PRECURSOR (EC 3.4.16.-)//4.4E-33//250aa//
33%//P42660
5 C-MAMMA1000713//L-RIBULOKINASE (EC 2.7.1.16)//7.70E-17//246aa//29%//P94524
C-MAMMA1000731//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 1 (CHD-1)//1E-77//395aa//45%//
014646
C-MAMMA1000734//Homo sapiens mRNA for SEC63 protein//0//1587bp//99%//AJ011779
C-MAMMA1000738//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I//9E-299//1033aa//
10 55%//P87115
C-MAMMA1000746
C-MAMMA1000775
C-MAMMA1000824//ACTIN//6.2E-20//284aa//28%//P53500
C-MAMMA1000831
15 C-MAMMA1000841//PUTATIVE AMIDASE (EC 3.5.1.4)//7.8E-40//101aa//54%//027540
C-MAMMA1000842
C-MAMMA1000843
C-MAMMA1000856
C-MAMMA1000865
20 C-MAMMA1000875
C-MAMMA1000906
C-MAMMA1000908
C-MAMMA1000914
C-MAMMA1000956//Homo sapiens CLDN8 gene for claudin-8//0//1767bp//99%//AJ250711
25 C-MAMMA1000968
C-MAMMA1000979
C-MAMMA1001008//"Homo sapiens aspartic-like protease mRNA, complete cds."//2.50E-276//
1263bp//99%//AF117892
C-MAMMA1001021
30 C-MAMMA1001041//"SPECTRIN BETA CHAIN, BRAIN (SPECTRIN, NON-ERYTHROID BETA CHAIN)
(FODRIN BETA CHAIN) (SPTBN1)."//1.6E-16//113aa//41%//Q01082
C-MAMMA1001059//Homo sapiens mRNA for DEAD Box Protein 5//0//1440bp//99%//AJ237946
C-MAMMA1001075//"Homo sapiens CGI-72 protein mRNA, complete cds."//1.3E-181//397bp//98%//
AF151830
35 C-MAMMA1001078
C-MAMMA1001091
C-MAMMA1001105//OVO PROTEIN (SHAVEN BABY PROTEIN)//4E-49//125aa//68%//P51521
C-MAMMA1001110
C-MAMMA1001126
40 C-MAMMA1001139//SRE-2 PROTEIN//5.80E-35//239aa//38%//Q09273
C-MAMMA1001143
C-MAMMA1001154
C-MAMMA1001181//ABC1 PROTEIN HOMOLOG PRECURSOR//1.30E-07//81aa//45%//Q92338
C-MAMMA1001215
45 C-MAMMA1001244
C-MAMMA1001259//"Mus musculus F-box protein FBX18 mRNA, partial cds."//2.3E-271//1414bp//
89%//AF184275
C-MAMMA1001260//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III//2.1E-52//630aa//
30%//P34537
50 C-MAMMA1001343
C-MAMMA1001411//Homo sapiens mRNA; cDNA DKFZp56400823 (from clone DKFZp56400823)//0//2131bp//
99%//AL080121
C-MAMMA1001419
C-MAMMA1001476//URIDINE KINASE (EC 2.7.1.48) (URIDINE MONOPHOSPHOKINASE) (FRAGMENT)//
55 6.5E-129//260aa//92%//P52623
C-MAMMA1001510
C-MAMMA1001522
C-MAMMA1001576//"Human gamma-tubulin mRNA, complete cds."//7.5E-276//1561bp//90%//

M61764
 C-MAMMA1001604
 C-MAMMA1001620
 C-MAMMA1001635
 5 C-MAMMA1001649
 C-MAMMA1001686
 C-MAMMA1001692
 C-MAMMA1001743//Y BOX BINDING PROTEIN-1 (Y-BOX TRANSCRIPTION FACTOR).//8.5E-32//171aa//36%//
 P21573
 10 C-MAMMA1001754//"Homo sapiens CGI-11 protein mRNA, complete cds."//0//1837bp//98%//
 AF132945
 C-MAMMA1001757
 C-MAMMA1001764
 C-MAMMA1001768//CELL DIVISION CYCLE PROTEIN 48 HOMOLOG MJ1156.//3.8E-45//351aa//38%//Q58556
 15 C-MAMMA1001771//M.musculus mRNA for semaphorin B.//2.60E-200//1272bp//79%//X85991
 C-MAMMA1001790
 C-MAMMA1001837//ZINC FINGER PROTEIN 29 (ZFP-29).//2.6E-77//507aa//38%//Q07230
 C-MAMMA1001858
 C-MAMMA1001868//TRICHOHYALIN.//2.7E-19//359aa//25%//P22793
 20 C-MAMMA1001970
 C-MAMMA1002042
 C-MAMMA1002068
 C-MAMMA1002153
 C-MAMMA1002156
 25 C-MAMMA1002170//40S RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN).//6E-66//157aa//70%//P15880
 C-MAMMA1002174
 C-MAMMA1002209
 C-MAMMA1002219//"Homo sapiens mRNA for KIAA1067 protein, partial cds."//1.1E-181//861bp//
 98%//AB028990
 30 C-MAMMA1002236//TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EX-
 CHANGE FACTOR).//8.8E-217//310aa//86%//P70541
 C-MAMMA1002243
 C-MAMMA1002268//"Mus musculus sphingosine kinase (SPHK1a) mRNA, partial cds."//1E-190//
 1624bp//76%//AF068748
 35 C-MAMMA1002269
 C-MAMMA1002292
 C-MAMMA1002294
 C-MAMMA1002297//Homo sapiens mRNA for Rab6 GTPase activating protein.//1.1E-214//881bp//97%//
 AJ011679
 40 C-MAMMA1002312
 C-MAMMA1002329//M.musculus mRNA for semaphorin B.//3.80E-45//332bp//84%//X85991
 C-MAMMA1002333
 C-MAMMA1002351//FERRIPYOCHELIN BINDING PROTEIN.//0.000078//127aa//26%//P40882
 C-MAMMA1002353
 45 C-MAMMA1002355
 C-MAMMA1002356
 C-MAMMA1002362
 C-MAMMA1002380
 C-MAMMA1002384
 50 C-MAMMA1002427
 C-MAMMA1002470//PROBABLE NH(3)-DEPENDENT NAD(+) SYNTHETASE (EC 6.3.5.1).//1E-11//128aa//36%//
 P47623
 C-MAMMA1002485//"Homo sapiens stanniocalcin-related protein mRNA, complete cds."//0//1822bp//
 99%//AF098462
 55 C-MAMMA1002494
 C-MAMMA1002524//HYPOTHETICAL 117.8 KD PROTEIN IN STE2-FRS2 INTERGENIC REGION.//1.2E-34//
 337aa//31%//P43571
 C-MAMMA1002530//"Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete

cds.":0//1910bp//99%//AF065214
 C-MAMMA1002554
 C-MAMMA1002585//"Homo sapiens mRNA for KIAA0860 protein, complete cds.":0//1405bp//99%//
 AB020667
 5 C-MAMMA1002598
 C-MAMMA1002619//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15)
 (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-
 ZYME)//9.5E-16//159aa//37%//Q09931
 C-MAMMA1002655//"Homo sapiens mRNA for ganglioside sialidase, complete cds.":0//1515bp//
 10 99%//AB008185
 C-MAMMA1002671//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
 TIVATING ENZYME)//1.1E-45//618aa//26%//P27550
 C-MAMMA1002673
 C-MAMMA1002684//"Homo sapiens mRNA for KIAA0214 protein, complete cds.":0//3174bp//99%//
 15 D86987
 C-MAMMA1002711
 C-MAMMA1002769//"Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA, complete
 cds.":2.2E-25//330bp//77%//AF011794
 C-MAMMA1002775
 20 C-MAMMA1002782
 C-MAMMA1002796
 C-MAMMA1002807
 C-MAMMA1002838
 C-MAMMA1002842//"Mus musculus c-Cb1 associated protein CAP mRNA, complete cds.":2.6E-58//
 25 373bp//81%//U58883
 C-MAMMA1002869//PINCH PROTEIN (PARTICULARY INTERESTING NEW CYS-HIS PROTEIN)//1.4E-160//
 305aa//85%//P48059
 C-MAMMA1002881//GLIOMA PATHOGENESIS-RELATED PROTEIN (RTVP-1 PROTEIN)//5.7E-30//214aa//
 35 35%//P48060
 C-MAMMA1002886
 C-MAMMA1002890
 C-MAMMA1002938//"Homo sapiens mRNA for KIAA0698 protein, complete cds.":8.4E-252//1139bp//
 100%//AB014598
 C-MAMMA1002964
 35 C-MAMMA1003011//HESTONE MACRO-H2A.1//2.7E-123//370aa//66%//Q02874
 C-MAMMA1003013//DNA POLYMERASE BETA (EC 2.7.7.7)//7.4E-46//332aa//36%//P06746
 C-MAMMA1003015
 C-MAMMA1003019
 C-MAMMA1003035//RIBOSOMAL LARGE SUBUNIT PSEUDOURIDINE SYNTHASE C (EC 4.2.1.70) (PSEU-
 40 DOURIDYLATE SYNTHASE) (URACIL HYDROLYASE)//1.9E-13//108aa//33%//P23851
 C-MAMMA1003039
 C-MAMMA1003044
 C-MAMMA1003049
 C-MAMMA1003056
 45 C-MAMMA1003057//MD6 PROTEIN//3.1E-225//419aa//97%//Q60584
 C-MAMMA1003066
 C-MAMMA1003099
 C-MAMMA1003104
 C-MAMMA1003113//"Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds."://
 50 1.1E-234//1178bp//86%//AF071316
 C-MAMMA1003127//MYOSIN I ALPHA (MMI-ALPHA)//2.2E-105//217aa//89%//P46735
 C-MAMMA1003135
 C-MAMMA1003146//Homo sapiens mRNA for GalT3 protein//4.3E-218//996bp//99%//Y15062
 C-MAMMA1003150//"Homo sapiens mRNA for KIAA1096 protein, partial cds.":0//1342bp//99%//
 55 AB029019
 C-MAMMA1003166//"Homo sapiens MLL septin-like fusion protein (MSF) mRNA, complete cds."://
 3.10E-158//592bp//97%//AF123052
 C-NT2RM1000032

EP 1 074 617 A2

C-NT2RM1000035//"Human mRNA for KIAA0199 gene, partial cds."//0//2948bp//99%//D83782
 C-NT2RM1000039//HYPOTHETICAL 41.4 KD PROTEIN IN SRLQ-HYPF INTERGENIC REGION (EC 1.18.1.-)
 (ORF4) (ORF2).//2.90E-14//299aa//25%//P37596
 C-NT2RM1000055//"Homo sapiens mRNA for KIAA0829 protein, partial cds."//0//3111bp//99%//
 5 AB020636
 C-NT2RM1000059
 C-NT2RM1000062
 C-NT2RM1000118//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CAL-
 CINEURIN REGULATORY SUBUNIT).//1.2E-10//150aa//28%//P87072
 10 C-NT2RM1000119
 C-NT2RM1000127
 C-NT2RM1000131//"Homo sapiens mRNA for KIAA0792 protein, complete cds."//0//2980bp//99%//
 AB018335
 C-NT2RM1000132//"Homo sapiens NADH:ubiquinone oxidoreductas NDUF56 subunit mRNA, nuclear gene
 15 encoding mitochondrial protein, complete cds."//7.8E-110//516bp//99%//AF044959
 C-NT2RM1000153//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5).//3.3E-3 8//469aa//27%//P49902
 C-NT2RM1000186//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CAL-
 CINEURIN REGULATORY SUBUNIT).//1.2E-10//150aa//28%//P87072
 C-NT2RM1000187//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE
 20 SPAC10F6.02C.//1.1E-10//94aa//47%//042643
 C-NT2RM1000199//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene).//0//2476bp//99%//
 AJ245820
 C-NT2RM1000244//"Homo sapiens TRAF4 associated factor 1 mRNA, partial cds."//2E-126//592bp//
 99%//U81002
 25 C-NT2RM1000252//H.sapiens E-MAP-115 mRNA.//9.7E-35//569bp//64%//X73882
 C-NT2RM1000256//"Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete
 cds."//0//3012bp//99%//AB016789
 C-NT2RM1000260//"Human mRNA for KIAA0130 gene, complete cds."//0//3139bp//98%//D50920
 C-NT2RM1000271
 30 C-NT2RM1000300
 C-NT2RM1000314//"Human mRNA for KIAA0159 gene, complete cds."//0//4349bp//99%//D63880
 C-NT2RM1000354//"Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.
 "//7.4E-245//2101bp//68%//AF111423
 C-NT2RM1000355//"Homo sapiens transmembrane protein BRI (BRI) mRNA, complete cds."//0//
 35 1599bp//99%//AF152462
 C-NT2RM1000365
 C-NT2RM1000377//"Homo sapiens dual specificity phosphatase MKP5 (MKP5) mRNA, complete cds."/
 //3.2E-196//1016bp//94%//AF179212
 C-NT2RM1000388//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION.//
 40 0.000000019//67aa//31%//P53915
 C-NT2RM1000399
 C-NT2RM1000430//"Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds."//
 1.4E-185//1486bp//81%//AF084928
 C-NT2RM1000555//"Homo sapiens mRNA for KIAA0885 protein, complete cds."//0//2885bp//99%//
 45 AB020692
 C-NT2RM1000563//TRANSMISSION-BLOCKING TARGET ANTIGEN S230 PRECURSOR.//0.0000068//199aa//
 30%//Q08372
 C-NT2RM1000648//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-).//8.5E-75//301aa//39%//P43636
 C-NT2RM1000661//"Homo sapiens translation initiation factor 4e mRNA, complete cds."//4.3E-210//
 50 960bp//99%//AF038957
 C-NT2RM1000666//DNA-BINDING PROTEIN A.//2.2E-09//165aa//34%//P16989
 C-NT2RM1000672
 C-NT2RM1000691//Homo sapiens mRNA for PLU-1 protein.//0//3104bp//99%//AJ132440
 C-NT2RM1000699
 55 C-NT2RM1000741//"Homo sapiens mRNA for KIAA0567 protein, partial cds."//1.1E-295//1338bp//
 99%//AB011139
 C-NT2RM1000742//"Homo sapiens AC133 antigen mRNA, complete cds."//0//3524bp//99%//
 AF027208

- C-NT2RM1000746//"Homo sapiens polyamine modulated factor-1 (PMF1) mRNA, complete cds."//6.70E-227//1043bp//99%//AF141310
C-NT2RM1000770//DXS6673E PROTEIN.//1.4E-39//194aa//48%//Q14202
C-NT2RM1000772//VEGETATTOLE INCOMPATIBILITY PROTEIN HET-E-1.//7.3E-15//280aa//27%//Q00808
- 5 C-NT2RM1000780
C-NT2RM1000800//Mus musculus partial mRNA for B-IND1 protein (B-indl gene).//1.1E-98//571bp//89%//Z97207
C-NT2RM1000802
C-NT2RM1000811//"Homo sapiens AC133 antigen mRNA, complete cds."//0//3524bp//99%//AF027208
- 10 C-NT2RM1000826//"Homo sapiens mRNA for KIAA0885 protein, complete cds."//0//2885bp//99%//AB020692
C-NT2RM1000829
C-NT2RM1000850//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//9.7E-42//333aa//36%//P16157
- 15 C-NT2RM1000852//"Homo sapiens putative ATP-dependent RNA helicase ROK1 mRNA, complete cds."//0//2206bp//99%//AF077033
C-NT2RM1000857//"Homo sapiens mRNA for KIAA0962 protein, partial cds."//0//3716bp//99%//AB023179
C-NT2RM1000874//"Homo sapiens death effector domain-containing testicular molecule mRNA, complete cds."//1.4E-244//1113bp//99%//AF043733
- 20 C-NT2RM1000882//"Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds."//4.30E-122//1394bp//69%//AF126799
C-NT2RM1000885//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1.8E-56//630aa//30%//P34537
- 25 C-NT2RM1000894//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//0//1020aa//89%//P70700
C-NT2RM1000898//"ACTIN, CYTOPLASMIC (ACTIN, MICRONUCLEAR)."//8.9E-26//229aa//29%//P02583
C-NT2RM1000905//"Homo sapiens HSPC021 mRNA, complete cds."//0//1480bp//99%//AF077207
- 30 C-NT2RM1000924//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III.//1E-15//266aa//26%//P46577
C-NT2RM1000927
C-NT2RM1000962
C-NT2RM1000978
- 35 C-NT2RM1001003//"Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds."//0//2230bp//99%//AF030233
C-NT2RM1001043
C-NT2RM1001066
C-NT2RM1001072//"1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE GAMMA 1 (EC 3.1.4.11) (PLC-GAMMA-1) (PHOSPHOLIPASE C-GAMMA-1) (PLC-II) (PLC-148)."//8.3E-47//259aa//35%//P08487
- 40 C-NT2RM1001085//"Rattus norvegicus brain specific cortactin-binding protein CBP90 mRNA, partial cds."//3.7E-32//460bp//64%//AF053768
C-NT2RM1001102//"Human HEM45 mRNA, complete cds."//2.3E-27//482bp//63%//U88964
- 45 C-NT2RM1001105
C-NT2RM1001139//Homo sapiens mRNA; cDNA DKFZp564F0522 (from clone DKFZp564F0522).//0//1756bp//99%//AL049943
C-NT2RM2000420
C-NT2RM2000566//"Homo sapiens integrin alpha-7 mRNA, complete cds."//0//2519bp//96%//AF032108
- 50 C-NT2RM2000609
C-NT2RM2000612//"Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds."//2.6E-106//1069bp//74%//U35776
C-NT2RM2000735//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//2.9E-103//249aa//73%//P28160
- 55 C-NT2RM2001588
C-NT2RM2001605//Homo sapiens mRNA for PLU-1 protein.//0//3114bp//99%//AJ132440
C-NT2RM2001613//"Homo sapiens sec61 homolog mRNA, complete cds."//0//2601bp//99%//AF084458

C-NT2RM2001632//KES 1 PROTEIN//1.40E-31//342aa//34%//P35844
 C-NT2RM2001648//"Homo sapiens sec61 homolog mRNA, complete cds."//0//2421bp//99%//
 AF084458
 C-NT2RM2001652//"Homo sapiens guanine nucleotide exchange factor mRNA, complete cds."//0//
 5 2608bp//99%//AF111162
 C-NT2RM2001659//ZINC/CADMIUM RESISTANCE PROTEIN//3.4E-39//161aa//34%//P20107
 C-NT2RM2001664//"Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete
 cds."//0//2471bp//99%//AF044195
 C-NT2RM2001668//"Homo sapiens putative WHSC1 protein (WHSC1) mRNA, alternative splice product
 10 ending in intron 11, complete cds."//6.2E-16//464bp//62%//AF083391
 C-NT2RM2001671//"Orctolagus cuniculus sarcolemmal associated protein (SLAP1) mRNA, complete cds.
 "//0//1843bp//94%//U21155
 C-NT2RM2001675
 C-NT2RM2001681
 15 C-NT2RM2001688//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME 1//4.60E-20//253aa//
 30%//Q09674
 C-NT2RM2001695//Homo sapiens clone H63 unknown mRNA//0//2016bp//99%//AF103804
 C-NT2RM2001696
 C-NT2RM2001698//"Homo sapiens XGalT-1 mRNA for galactosyltransferase I, complete cds."//6.2E-
 20 253//1170bp//99%//AB028600
 C-NT2RM2001700//"ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC (EC 1.3.99.-) (VL-
 CAD) (FRAGMENT)."//5.7E-130//536aa//49%//P50544
 C-NT2RM2001716
 C-NT2RM2001723
 25 C-NT2RM2001730//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15)
 (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-
 ZYME)."//7.2E-16//381aa//27%//Q09931
 C-NT2RM2001743//"Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds."//
 0//1498bp//99%//AF011792
 30 C-NT2RM2001753//HYPOTHETICAL PROTEIN KIAA0210//8.8E-11//119aa//36%//Q92609
 C-NT2RM2001760//"Homo sapiens sec61 homolog mRNA, complete cds."//0//2379bp//99%//
 AF084458
 C-NT2RM2001768
 C-NT2RM2001771//ZINC FINGER PROTEIN 135//6.4E-154//394aa//64%//P52742
 35 C-NT2RM2001782//"Homo sapiens GDP-mannose pyrophosphorylase A (GMPPA) mRNA, complete cds.
 "//0//1470bp//99%//AF135422
 C-NT2RM2001784
 C-NT2RM2001785//Homo sapiens mRNA; cDNA DKFZp586C201 (from clone DKFZp586C201)//0//2146bp//
 99%//AL050118
 40 C-NT2RM2001813
 C-NT2RM2001823//CHD1 PROTEIN//1.8E-106//631aa//39%//P32657
 C-NT2RM2001839//"Homo sapiens calumein (Calu) mRNA, complete cds."//0//2415bp//97%//
 AF013759
 C-NT2RM2001840
 45 C-NT2RM2001855
 C-NT2RM2001867//"Homo sapiens mRNA for KIAA0943 protein, partial cds."//0//967bp//99%//
 AB023160
 C-NT2RM2001879
 C-NT2RM2001983//"Homo sapiens RGS-GAIP interacting protein GIPC mRNA, complete cds."//0//
 50 1658bp//98%//AF089816
 C-NT2RM2002145//"Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds."//
 8.5E-191//1524bp//81%//AF084928
 C-NT2RM4000027
 C-NT2RM4000030//LAS1 PROTEIN//5.6E-12//184aa//32%//P36146
 55 C-NT2RM4000046//GOLIATH PROTEIN (G1 PROTEIN)//0.000008//112aa//31%//Q06003
 C-NT2RM4000155//"THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.3) (THREONINE--
 TRNA LIGASE) (THRRS)."//1.2E-157//321aa//61%//P26639
 C-NT2RM4000156//H.sapiens HPBR11-7 gene//3.6E-21//785bp//60%//X67336

EP 1 074 617 A2

C-NT2RM4000167//"Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds."//0//
 1946bp//99%//AF071592
 C-NT2RM4000199
 C-NT2RM4000200
 5 C-NT2RM4000202//ZINC FINGER PROTEIN MOK-2 (HOK-2)//4.9E-32//170aa//41%//Q16600
 C-NT2RM4000233//"Mus musculus semaphorin VIa mRNA, complete cds."//3.4E-231//1395bp//86%//
 AF030430
 C-NT2RM4000244
 C-NT2RM4000251
 10 C-NT2RM4000265
 C-NT2RM4000324
 C-NT2RM4000327
 C-NT2RM4000356//RAS-RELATED PROTEIN RAB-17//5.9E-80//213aa//75%//P35292
 C-NT2RM4000425
 15 C-NT2RM4000433//"Mus musculus retinoic acid-responsive protein (Stra6) mRNA, complete cds."//
 4.1E-271//2085bp//77%//AF062476
 C-NT2RM4000514
 C-NT2RM4000531//ZINC FINGER PROTEIN 29 (ZFP-29)//2.4E-89//389aa//43%//007230
 C-NT2RM4000532
 20 C-NT2RM4000534
 C-NT2RM4000603
 C-NT2RM4000611//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//2.9E-09//108aa//31%//Q00808
 C-NT2RM4000616//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
 TIVATING ENZYME)//2.7E-146//420aa//60%//P27550
 25 C-NT2RM4000674//HYPOTHETICAL SYMPORTER SLL1374//1.2E-28//180aa//30%//P74168
 C-NT2RM4000689
 C-NT2RM4000698
 C-NT2RM4000700
 C-NT2RM4000712//"Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds."//1E-
 30 136//1104bp//77%//AF022789
 C-NT2RM4000717
 C-NT2RM4000733//TRANSCRIPTION TERMINATION FACTOR RHO//0.00000041//207aa//29%//P52154
 C-NT2RM4000734//"Homo sapiens mRNA for KIAA0760 protein, partial cds."//0//2273bp//99%//
 AB018303
 35 C-NT2RM4000741//"Homo sapiens hSGT1 mRNA for hSgt1p, complete cds."//0//2184bp//99%//
 D88208
 C-NT2RM4000751//ZINC FINGER PROTEIN 184 (FRAGMENT)//3.9E-125//301aa//53%//Q99676
 C-NT2RM4000764
 C-NT2RM4000778
 40 C-NT2RM4000787
 C-NT2RM4000790
 C-NT2RM4000795//"Homo sapiens mRNA for KIAA0951 protein, complete cds."//0//1847bp//96%//
 AB023168
 C-NT2RM4000796
 45 C-NT2RM4000798//"Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2 mRNA,
 complete cds."//0//2603bp//99%//AF084521
 C-NT2RM4000813
 C-NT2RM4000820//VACUOLAR ATP SYNTHASE SUBUNIT AC45 PRECURSOR (EC 3.6.1.34) (V-ATPASE
 AC45 SUBUNIT)//1.10E-24//138aa//44%//P40682
 50 C-NT2RM4000833
 C-NT2RM4000848
 C-NT2RM4000852
 C-NT2RM4000855
 C-NT2RM4000887
 55 C-NT2RM4000895
 C-NT2RM4000950
 C-NT2RM4000979
 C-NT2RM4001002//Homo sapiens mRNA; cDNA DKFZp586G0518 (from clone DKFZp586G0518)//0//2259bp//

100%//AL050092
 C-NT2RM4001032
 C-NT2RM4001047//M025 PROTEIN.//8E-140//333aa//80%//Q06138
 C-NT2RM4001054//"Homo sapiens sec61 homolog mRNA, complete cds."//3.1E-190//1315bp//81%//
 5 AF077032
 C-NT2RM4001084//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I.//0.000000032//
 165aa//33%//Q09820
 C-NT2RM4001116//HYPOTHETICAL 216.3 KD PROTEIN R06F6.8 IN CHROMOSOME II.//5.9E-86//292aa//
 48%//Q09417
 10 C-NT2RM4001140//HOMEBOX PROTEIN MSH-D.//1E-11//103aa//38%//Q01704
 C-NT2RM4001151
 C-NT2RM4001155//ADRENAL MEDULLA 50 KD PROTEIN.//4.1E-197//445aa//78%//Q27969
 C-NT2RM4001160
 C-NT2RM4001187
 15 C-NT2RM4001191//"Homo sapiens clone 24963 mRNA sequence, complete cds."//0//1950bp//99%//
 AF131737
 C-NT2RM4001200//ZINC FINGER PROTEIN 135.//9.5E-135//375aa//60%//P52742
 C-NT2RM4001203//"Homo sapiens mRNA for KIAA0839 protein, partial cds."//0//3047bp//99%//
 AB020646
 20 C-NT2RM4001204//"Homo sapiens mRNA for KIAA1089 protein, partial cds."//0//2349bp//99%//
 AB029012
 C-NT2RM4001217//"Homo sapiens nuclear matrix protein NRP/B (NRPB) mRNA, complete cds."//
 7.3E-148//1409bp//72%//AF059611
 C-NT2RM4001256//"Xenopus laevis putative Zic3 binding protein mRNA, complete cds."//4.30E-55//
 25 289bp//77%//AF129131
 C-NT2RM4001258
 C-NT2RM4001309
 C-NT2RM4001313//PHOSPHATIDYLINOSITOL 3-KINASE VPS34-LIKE (EC 2.7.1.137) (PI3-KINASE) (PTDINS-
 3-KINASE) (PI3K).//3.50E-35//124aa//65%//P54676
 30 C-NT2RM4001316//"ACYL-COA DEHYDROGENASE, MEDIUM-CHAIN SPECIFIC PRECURSOR (EC
 1.3.99.3) (MCAD)."//2.3E-31//334aa//30%//P08503
 C-NT2RM4001320//"Homo sapiens mRNA for Neuroblastoma, complete cds."//1.8E-39//728bp//64%//
 D89016
 C-NT2RM4001340//UTR4 PROTEIN (UNKNOWN TRANSCRIPT 4 PROTEIN).//1E-28//171aa//37%//P32626
 35 C-NT2RM4001344//HYPOTHETICAL GTP-BINDING PROTEIN IN POP2-HOL1 INTERGENIC REGION.//8.1E-
 30//265aa//33%//P53742
 C-NT2RM4001347//"Homo sapiens NY-REN-25 antigen mRNA, partial cds."//0//2300bp//99%//
 AF155103
 C-NT2RM4001371//"Homo sapiens IDN3 mRNA, partial cds."//0//2524bp//99%//AB019494
 40 C-NT2RM4001382//"Homo sapiens RanBP7/importin 7 mRNA, complete cds."//2.2E-237//1079bp//
 99%//AF098799
 C-NT2RM4001384
 C-NT2RM4001410
 C-NT2RM4001411//"Mus musculus Pro-rich, PH, SH2 domain-containing signaling mediator (PSM) mRNA,
 45 complete cds."//0//1962bp//87%//AF020526
 C-NT2RM4001412//"Homo sapiens nGAP mRNA, complete cds."//0//1918bp//99%//AF047711
 C-NT2RM4001414
 C-NT2RM4001437
 C-NT2RM4001444//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE-TRNA LIGASE) (ILERS).//
 50 1.4E-118//444aa//46%//P73505
 C-NT2RM4001454
 C-NT2RM4001455
 C-NT2RM4001483//ZINC FINGER PROTEIN 136.//5.1E-106//357aa//55%//P52737
 C-NT2RM4001489//"Homo sapiens mRNA for KIAA0685 protein, complete cds."//0//1810bp//99%//
 55 AB014585
 C-NT2RM4001522
 C-NT2RM4001557//"Homo sapiens mRNA for KIAA1040 protein, partial cds."//0//1547bp//97%//
 AB028963

C-NT2RM4001565
 C-NT2RM4001566//"Homo sapiens mRNA for KIAA1114 protein, complete cds."//0//1900bp//99%//
 AB029037
 C-NT2RM4001582//"Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds."//
 5 1.5E-284//1082bp//90%//AF071317
 C-NT2RM4001592//"Homo sapiens mRNA for KIAA1122 protein, partial cds."//0//2170bp//99%//
 AB032948
 C-NT2RM4001594
 C-NT2RM4001597//M.musculus red-1 gene.//2.1E-171//1414bp//78%//X92750
 10 C-NT2RM4001611//SIS2 PROTEIN (HALOTOLERANCE PROTEIN HAL3).//2.6E-32//203aa//39%//Q12600
 C-NT2RM4001629//"MAGUK P55 SUBFAMILY MEMBER 3 (MPP3 PROTEIN) (DISCS, LARGE HOMOLOG
 3)."//1.5E-93//278aa//38%//Q13368
 C-NT2RM4001650
 C-NT2RM4001662
 15 C-NT2RM4001666//HYPOTHETICAL 48.6 KD PROTEIN IN ALPA-GABP INTERGENIC REGION.//2.7E-84//
 410aa//42%//P37339
 C-NT2RM4001682
 C-NT2RM4001710
 C-NT2RM4001714//SEPTIN 2 HOMOLOG (FRAGMENT).//8.9E-141//354aa//72%//Q14141
 20 C-NT2RM4001715
 C-NT2RM4001731//"Homo sapiens mRNA for KIAA1004 protein, partial cds."//0//1922bp//100%//
 AB023221
 C-NT2RM4001746
 C-NT2RM4001754
 25 C-NT2RM4001758//PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK (EC 2.7.1.-).//4.1E-186//639aa//
 58%//Q05512
 C-NT2RM4001783//ZINC FINGER PROTEIN HRX (ALL-1).//7.9E-66//311aa//35%//Q03164
 C-NT2RM4001810//"Homo sapiens mRNA for KIAA0863 protein, complete cds."//0//2377bp//99%//
 AB020670
 30 C-NT2RM4001813//LECTIN BRA-2.//0.00000048//114aa//30%//P17346
 C-NT2RM4001823//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//2.9E-55//325aa//37%//P28160
 C-NT2RM4001828//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//5.9E-161//481aa//56%//
 P51523
 C-NT2RM4001836
 35 C-NT2RM4001841//"Homo sapiens mRNA for KIAA0920 protein, complete cds."//0//1861bp//98%//
 AB023137
 C-NT2RM4001842
 C-NT2RM4001856
 C-NT2RM4001858//T-BOX CONTAINING PROTEIN TBX6L (FRAGMENT).//6.5E-22//126aa//46%//P79779
 40 C-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC.//4.3E-244//1248bp//94%//Y17711
 C-NT2RM4001876//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1).//6.5E-23//184aa//
 36%//Q15404
 C-NT2RM4001880//PUTATIVE DNA HELICASE II HOMOLOG (EC 3.6.1.-).//5.9E-09//268aa//26%//P47486
 C-NT2RM4001922//"Homo-sapiens mRNA for KIAA0957 protein, complete cds."//0//2165bp//99%//
 45 AB023174
 C-NT2RM4001930//"Homo sapiens dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase (ALG6)
 mRNA, complete cds."//0//1930bp//99%//AF102851
 C-NT2RM4001940//"Homo sapiens timeless homolog mRNA, complete cds."//0//2087bp//99%//
 AF098162
 50 C-NT2RM4001953
 C-NT2RM4001965
 C-NT2RM4001969//R.norvegicus mRNA for IP63 protein.//2.6E-261//1563bp//84%//X99330
 C-NT2RM4001979//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.8E-112//457aa//47%//
 P51523
 55 C-NT2RM4001984
 C-NT2RM4001987//"NEURAL CELL ADHESION MOLECULE 1, LARGE ISOFORM PRECURSOR (N-CAM
 180) [CONTAINS: N-CAM 140]."//3.2E-17//281aa//30%//P16170
 C-NT2RM4002013//HYPOTHETICAL 89.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMT6-PCT1

INTERGENIC REGION.//6.9E-94//589aa//35%/P42935
 C-NT2RM4002018
 C-NT2RM4002034//"Homo sapiens hiwi mRNA, partial cds."//1.9E-53//1585bp//60%/AF104260
 C-NT2RM4002044
 5 C-NT2RM4002054
 C-NT2RM4002063//"Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds."//0//1865bp//99%/U82267
 C-NT2RM4002066//"Homo sapiens thyroid hormone receptor-associated protein complex component TRAP230 mRNA, complete cds."//1.50E-211//1123bp//71%/AF117755
 10 C-NT2RM4002075//RING CANAL PROTEIN (KELCH PROTEIN).//2.8E-105//556aa//41%/Q04652
 C-NT2RM4002128
 C-NT2RM4002140
 C-NT2RM4002145//SLIT PROTEIN PRECURSOR//1.40E-09//127aa//33%/P24014
 C-NT2RM4002161//"Homo sapiens laforin (EPM2A) mRNA, complete cds."//0//2671bp//99%/AF084535
 15 C-NT2RM4002174//MRP PROTEIN //9.1E-68//264aa//51%/P21590
 C-NT2RM4002189//"GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)."//6.2E-33//688aa//27%/P08640
 C-NT2RM4002205//"ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G) "//3E-37//122aa//72%/Q07803
 20 C-NT2RM4002213//"Homo sapiens protein phosphatase methylesterase-1 (PME-1) mRNA, complete cds."//0//2452bp//100%/AF157028
 C-NT2RM4002226//GTPASE ACTIVATING PROTEIN ROTUND.//3.7E-19//147aa//41%/P40809
 C-NT2RM4002251//"ALPHA-1,3-MANNOSYL-GLYCOPROTEIN BETA-1,2-N-ACETYLGLUCOSAMINYL-TRANSFERASE (EC 2.4.1.101) (N-GLYCOSYL-OLIGOSACCHARIDE-GLYCOPROTEIN N-ACETYLGLUCOSAMINYLTRANSFERASE I) (GNT-I) (GLCNAC-TI)."//2.2E-36//320aa//38%/P27808
 25 C-NT2RM4002256
 C-NT2RM4002266
 C-NT2RM4002281
 30 C-NT2RM4002287
 C-NT2RM4002294
 C-NT2RM4002301
 C-NT2RM4002323//ANTIGEN GOR (FRAGMENT).//0.000000001//154aa//33 %/P48778
 C-NT2RM4002339
 35 C-NT2RM4002344
 C-NT2RM4002373//"Homo sapiens mRNA for KIAA0649 protein, complete cds."//0//2666bp//99%/AB014549
 C-NT2RM4002374
 C-NT2RM4002383
 40 C-NT2RM4002409//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.3E-29//275aa//30%/P27095
 C-NT2RM4002438//"Xenopus laevis putative Zic3 binding protein mRNA, complete cds."//1.1E-49//611bp//70%/AF129131
 C-NT2RM4002446
 45 C-NT2RM4002452
 C-NT2RM4002457
 C-NT2RM4002460//"ENV POLYPROTEIN (COAT POLYPROTEIN) [CONTAINS: COAT PROTEINS GP70, GP20]."//0.0000016//226aa//24%/P51515
 C-NT2RM4002493
 50 C-NT2RM4002527//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//8.9E-15//366aa//27%/Q00808
 C-NT2RM4002532//PROTEIN HOM1.//2E-16//276aa//28%/P55137
 C-NT2RM4002558//"Homo sapiens fatty acid transport protein (FATP) mRNA, complete cds."//0//1797bp//99%/AF055899
 C-NT2RM4002567
 55 C-NT2RM4002593
 C-NT2RM4002594//MSP1 PROTEIN HOMOLOG.//2.7E-68//236aa//58%/P54815
 C-NT2RM4002623//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS).//2.3E-101//488aa//45%/O32038

C-NT2RP1000324
 C-NT2RP1000363//"Homo sapiens mRNA for KIAA0638 protein, partial cds."//0//1345bp//99%//
 AB014538
 C-NT2RP1000418
 5 C-NT2RP1000513//"Human NifU-like protein (hNifU) mRNA, partial cds."//6.50E-171//516bp//99%//
 U47101
 C-NT2RP1000721
 C-NT2RP1000730
 C-NT2RP1000767
 10 C-NT2RP1000836
 C-NT2RP1000902//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//5.2E-20//306aa//
 33%//Q09531
 C-NT2RP1000943
 C-NT2RP1001033//"Homo sapiens delta-tubulin mRNA, complete cds."//2.10E-285//1290bp//100%//
 15 AF201333
 C-NT2RP1001073//"Homo sapiens U6 snRNA-associated Sm-like protein LSm5 mRNA, complete cds.
 "//8.1E-107//504bp//99%//AF182291
 C-NT2RP1001199
 C-NT2RP1001248
 20 C-NT2RP1001253//"Homo sapiens oscillin (hLn) mRNA, complete cds."//0//2020bp//99%//AF029914
 C-NT2RP1001286
 C-NT2RP1001294//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.80E-38//258aa//32%//Q12024
 C-NT2RP1001302//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.80E-38//258aa//32%//Q12024
 C-NT2RP1001310//"Homo sapiens mitochondrial carrier homolog 1 isoform a mRNA, partial cds; nuclear
 25 gene for mitochondrial product."//0//1732bp//99%//AF176006
 C-NT2RP1001361//"Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA,
 complete cds."//6.5E-116//541bp//100%//AF070652
 C-NT2RP1001385//HYPOTHETICAL 48.8 KD PROTEIN IN SSU81-SCS2 INTERGENIC REGION.//2.7E-22//
 284aa//25%//P40074
 30 C-NT2RP1001432
 C-NT2RP2000040//"Homo sapiens mRNA for KIAA0747 protein, partial cds."//0//2648bp//99%//
 AB013290
 C-NT2RP2000076//Homo sapiens partial mRNA for polyhomeotic 2 protein (PH2 gene).//7.9E-20//265bp//73%//
 AJ242730
 35 C-NT2RP2000098
 C-NT2RP2000108
 C-NT2RP2000257//PUTATIVE MITOCHONDRIAL CARRIER YIL006W.//9.7E-41//278aa//36%//P40556
 C-NT2RP2000258//ACTIVATOR 1 140 KD SUBUNIT (REPLICATION FACTOR C LARGE SUBUNIT) (A1 140 KD
 SUBUNIT) (RF-C 140 KD SUBUNIT) (ACTIVATOR 1 LARGE SUBUNIT) (DNA-BINDING PROTEIN PO-GA).//
 40 7.1E-12//213aa//23%//P35251
 C-NT2RP2000289
 C-NT2RP2000327
 C-NT2RP2000337
 C-NT2RP2000420//ZINC FINGER PROTEIN 165.//8.5E-33//155aa//52%//P49910
 45 C-NT2RP2000459
 C-NT2RP2000498
 C-NT2RP2000758
 C-NT2RP2001137
 C-NT2RP2001149
 50 C-NT2RP2001168//VERPROLIN.//1.5E-09//143aa//33%//P37370
 C-NT2RP2001173//"Homo sapiens mRNA for KIAA0480 protein, complete cds."//0//1780bp//99%//
 AB007949
 C-NT2RP2001174//GASTRULA ZINC FINGER PROTEIN XLCGF46.1 (FRAGMENT).//6E-10//88aa//38%//
 P18722
 55 C-NT2RP2001196
 C-NT2RP2001226
 C-NT2RP2001268//"Homo sapiens mRNA for KIAA0810 protein, partial cds."//0//3301bp//98%//
 AB018353

EP 1 074 617 A2

C-NT2RP2001290//BETA-SOLUBLE NSF ATTACHMENT PROTEIN (SNAP-BETA) (SNAP-ALPHA HOMOLOG) (BRAIN PROTEIN 147) (FRAGMENT)//4.4E-91//179aa//99%/P28663
C-NT2RP2001295//ZINC/CADMIUM RESISTANCE PROTEIN./8.3E-39//161aa//34%/P20107
C-NT2RP2001312
5 C-NT2RP2001327//"TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PROTEIN)."//5.5E-116//311aa//71%/Q13829
C-NT2RP2001328
C-NT2RP2001366
C-NT2RP2001378//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2)//2E-11//403aa//25%/Q02817
10 C-NT2RP2001392//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-)//8.4E-192//581aa//54%/P93647
C-NT2RP2001394//Homo sapiens mRNA for SCML2 protein./0//2068bp//99%/Y18004
C-NT2RP2001420//"Mus musculus nuclear protein NIP45 mRNA, complete cds."//9E-112//742bp//82%/U76759
15 C-NT2RP2001450
C-NT2RP2001467
C-NT2RP2001506
C-NT2RP2001511//"Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds."//3.2E-297//2206bp//75 %//AF093097
20 C-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1./0//2502bp//99%/Y14494
C-NT2RP2001536//"Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds."//0//2326bp//99%/AF035586
C-NT2RP2001560//VAV2 PROTEIN./0.00000015//219aa//27%/Q60992
C-NT2RP2001576//HYPOTHETICAL 62.2 KD PROTEIN C4G8.12C IN CHROMOSOME 1./8.2E-29//294aa//31%/Q09837
25 C-NT2RP2001581
C-NT2RP2001597//"RYANODINE RECEPTOR, CARDIAC MUSCLE."//0.000000036//127aa//36%/P30957
C-NT2RP2001628
30 C-NT2RP2001663//ENOLASE (EC 4.2.1.11) (2-PHOSPHOGLYCERATE DEHYDRATASE) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE) (FRAGMENT)//1.1E-47//126aa//53%/P42897
C-NT2RP2001748//FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESYL DI-PHOSPHATE SYNTHETASE) (DIMETHYLALLYLTRANSFERASE (EC 2.5.1.1) / GERANYLTRANSTRANS-FERASE (EC 2.5.1.10)) (KIAA0032)./5.40E-47//96aa//97%/P14324
35 C-NT2RP2001813
C-NT2RP2001883//"Homo sapiens CGI-01 protein mRNA, complete cds."//0//2306bp//99%/AF132936
C-NT2RP2001900//ACTIN-LIKE PROTEIN ARP5./2.3E-38//395aa//30%/P53946
C-NT2RP2001947
40 C-NT2RP2001985//"Homo sapiens high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha mRNA, complete cds."//2.00E-38//435bp//67%/AF090989
C-NT2RP2001991//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73./6.5E-129//279aa//85%/Q08469
C-NT2RP2002025//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO)./1.7E-47//247aa//52%/P35331
45 C-NT2RP2002058//"Homo sapiens WD repeat protein WDR3 (WDR3) mRNA, complete cds."//0//2510bp//99%/AF083217
C-NT2RP2002076//Homo sapiens clone 24804 mRNA sequence.7/1.5E-294//1334bp//99%/AF052183
C-NT2RP2002078//PECANEX PROTEIN./1.8E-09//195aa//32%/P18490
50 C-NT2RP2002079//"HISTONE H1, GONADAL."//4.4E-11//214aa//34%/P02256
C-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein./0//3389bp//99%/AJ007509
C-NT2RP2002185//"Homo sapiens ubiquilin mRNA, complete cds."//0//1789bp//99%/AF176069
C-NT2RP2002193//"Homo sapiens PIAS3 mRNA for protein inhibitor of activated STAT3, complete cds."//0//2809bp//99%/AB021868
55 C-NT2RP2002231
C-NT2RP2002235
C-NT2RP2002252//"Mus musculus (clone pVZmSin3A9) mSin3A9 mRNA, complete cds."//0//3118bp//91%/L38621

C-NT2RP2002292
 C-NT2RP2002408
 C-NT2RP2002442//HESA PROTEIN //2.8E-14//163aa//30%/P46037
 C-NT2RP2002464//DNA CROSS-LINK REPAIR PROTEIN PS02/SNM1 //6.50E-07//171aa//27%/P30620
 5 C-NT2RP2002498
 C-NT2RP2002503//ZINC FINGER PROTEIN 45 (BRC1744) //4.6E-14//537aa//49%/Q02386
 C-NT2RP2002520//"Homo sapiens transcription factor RFX-B (RFXB) mRNA, complete cds." //3.70E-34//668bp//61%/AF105427
 C-NT2RP2002549
 10 C-NT2RP2002609//2-HYDROXYMUCONIC SEMIALDEHYDE HYDROLASE (EC 3.1.1.-) (HMSH) //2.80E-08//109aa//37%/P19076
 C-NT2RP2002706
 C-NT2RP2002710//SH3-BINDING PROTEIN 3BP-1 //4.9E-85//489aa//43%/P55194
 C-NT2RP2002800
 15 C-NT2RP2002880//GLUCOSE REPRESSION MEDIATOR PROTEIN //0.000039//206aa//23%/P14922
 C-NT2RP2002891
 C-NT2RP2002929//HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHROMOSOME II //4.1E-87//395aa//40%/Q18964
 C-NT2RP2002939//ZINC FINGER PROTEIN 136 //5.4E-70//282aa//42%/P52737
 20 C-NT2RP2002993//DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135) //0//716aa//91%/P70700
 C-NT2RP2003034
 C-NT2RP2003099
 C-NT2RP2003137//UBIQUITIN //0.000026//70aa//30%/P13117
 25 C-NT2RP2003157//"Homo sapiens CGI-74 protein mRNA, complete cds." //0//2037bp//99%/AF151832
 C-NT2RP2003158//"Homo sapiens mRNA for proteasome subunit p58, complete cds." //0//2091bp//99%/D67025
 C-NT2RP2003165
 30 C-NT2RP2003243//Homo sapiens partial mRNA for putative p621 protein which interacts with transcription factor Sp1 //0//1544bp//99%/AJ242978
 C-NT2RP2003277//"Homo sapiens mRNA for KIAA0625 protein, partial cds." //0//3788bp//99%/AB014525
 C-NT2RP2003286//PROBABLE RNA 3'-TERMINAL PHOSPHATE CYCLASE (EC 6.5.1.4) (RNA-3'-PHOSPHATE CYCLASE) (RNA CYCLASE) //4.1E-88//374aa//47%/Q23400
 35 C-NT2RP2003297
 C-NT2RP2003307//KINESIN LIGHT CHAIN (KLC) //2.2E-199//550aa//70%/Q07866
 C-NT2RP2003308//CROOKED NECK PROTEIN //5.4E-244//622aa//67%/P17886
 C-NT2RP2003347//BREAST CANCER TYPE 1 SUSCEPTIBILITY PROTEIN HOMOLOG //0.000022//261aa//24%/P48754
 40 C-NT2RP2003391//Homo sapiens mRNA for nuclear transport receptor //0//1509bp//99%/AJ133769
 C-NT2RP2003393
 C-NT2RP2003445
 C-NT2RP2003466//"Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds." //7//2194bp//99%/AF126799
 45 C-NT2RP2003480//"Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds." //0//3012bp//99%/AF125158
 C-NT2RP2003506//NADPH-CYTOCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR) //5.4E-14//106aa//46%/P04175
 50 C-NT2RP2003511
 C-NT2RP2003513//"Human mRNA for KIAA0270 gene, partial cds." //0//2137bp//97%/D87460
 C-NT2RP2003567//"Homo sapiens mRNA for KIAA0462 protein, partial cds." //0//2343bp//99%/AB007931
 C-NT2RP2003604//"Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds." //0//2442bp//99%/AF030233
 55 C-NT2RP2003691
 C-NT2RP2003713//"Homo sapiens ubiquitin-specific protease 3 (USP3) mRNA, complete cds." //0//2018bp//99%/AF073344

C-NT2RP2003760//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)//0//869aa//
 80%//P53620
 C-NT2RP2003764
 C-NT2RP2003769
 5 C-NT2RP2003777
 C-NT2RP2003840//HYPOTHETICAL 48.1 KD PROTEIN B0403.2 IN CHROMOSOME X//3.7E-21//137aa//43%//
 Q11076
 C-NT2RP2003857//MYOTROPHIN (V-1 PROTEIN) (GRANULE CELL DIFFERENTIATION PROTEIN)//
 0.00000016//117aa//29%//Q91955
 10 C-NT2RP2003981//"Homo sapiens mRNA for KIAA0804 protein, partial cds."//0//3046bp//99%//
 AB018347
 C-NT2RP2003984//Homo sapiens mRNA; cDNA DKFZp564A026 (from clone DKFZp564A026)//0//2514bp//
 99%//AL050367
 C-NT2RP2004041//SYNAPSINS IA AND IB//0.00000074//159aa//32%//P17599
 15 C-NT2RP2004066//"Human DNA sequence from clone 134019 on chromosome 1p36.11-36.33, complete
 sequence."//0//2410bp//99%//AL034555
 C-NT2RP2004081
 C-NT2RP2004124
 C-NT2RP2004152
 20 C-NT2RP2004165
 C-NT2RP2004187//ZINC FINGER PROTEIN 38 (ZFP-38) (CTFIN51) (TRANSCRIPTION FACTOR RU49)//5.6E-
 31//424aa//28%//007231
 C-NT2RP2004239//"Homo sapiens lok mRNA for protein kinase, ccomplete cds."//0//3044bp//99%//
 AB015718
 25 C-NT2RP2004245
 C-NT2RP2004364
 C-NT2RP2004365
 C-NT2RP2004366//"Homo sapiens mRNA for KIAA0986 protein, partial cds."//0//2790bp//97%//
 AB023203
 30 C-NT2RP2004373
 C-NT2RP2004476//"Homo sapiens cyclin L ania-6a mRNA, complete cds."//0//2075bp//99%//
 AF180920
 C-NT2RP2004551
 C-NT2RP2004568//PUTATIVE ATP-DEPENDENT RNA HELICASE C30D11.03//3E-117//625aa//40%//Q09903
 35 C-NT2RP2004600
 C-NT2RP2004664//"Homo sapiens mRNA for KIAA0460 protein, partial cds."//0//2368bp//99%//
 AB007929
 C-NT2RP2004743
 C-NT2RP2004768//SERINE/THREONINE-PROTEIN KINASE NRK1 (EC 2.7.1.-) (N-RICH KINASE 1)//1.3E-26//
 40 190aa//41-%//P38692
 C-NT2RP2004816//"Homo sapiens H beta 58 homolog mRNA, complete cds."//0//2144bp//96%//
 AF054179
 C-NT2RP2004861
 C-NT2RP2004897
 45 C-NT2RP2004933//"Homo sapiens mRNA for ZIP-kinase, complete cds."//0//2103bp//99%//AB007144
 C-NT2RP2004978//ACTIN-LIKE PROTEIN ARP8//3.3E-47//353aa//30%//Q12386
 C-NT2RP2005038//DNA NUCLEOTIDYLEXOTRANSFERASE (EC 2.7.7.31) (TERMINAL ADDITION ENZYME)
 (TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE) (TERMINAL TRANSFERASE)//4E-91//218aa//44%//
 Q92089
 50 C-NT2RP2005162//"Homo sapiens aspartyl aminopeptidase mRNA, complete cds."//0//1615bp//99%//
 AF005050
 C-NT2RP2005204//"Homo sapiens SUMO-1-activating enzyme E1 N subunit (SUA1) mRNA, complete cds.
 "//0//1262bp//99%//AF090385
 C-NT2RP2005227
 55 C-NT2RP2005287
 C-NT2RP2005288//"Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds."//0//
 2992bp//99%//AF060219
 C-NT2RP2005490//"Mus musculus D3Mm3e (D3Mm3e) mRNA, complete cds."//1.8E-175//1102bp//

- 83%//AF053628
C-NT2RP2005539//"Homo sapiens mRNA for KIAA0850 protein, complete cds."//0//1560bp//99%//AB020657
- 5 C-NT2RP2005605//QUEUINE TRNA-RIBOSYLTRANSFERASE (EC 2.4.2.29) (TRNA-GUANINE TRANSGLYC-OSYLASE) (GUANINE INSERTION ENZYME).//8.2E-23//164aa//28%//032053
C-NT2RP2005722//"Homo sapiens ZK1 mRNA for Kruppel-type zinc finger protein, complete cds."//0//2545bp//99%//AB011414
C-NT2RP2005732
- 10 C-NT2RP2005784//"Homo sapiens ubiquitin-conjugating enzyme variant Kua (UBE2V) mRNA, complete cds."//0//2191bp//92%//AF155120
C-NT2RP2005812//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION.//2.3E-39//318aa//31%//P40004
C-NT2RP2005859//"Homo sapiens mRNA for KIAA0863 protein, complete cds."//0//1649bp//99%//AB020670
- 15 C-NT2RP2006023
C-NT2RP2006334//Homo sapiens mRNA; cDNA DKFZp434J154 (from clone DKFZp434J154).//0//2318bp//99%//AL080155
C-NT2RP2006441
C-NT2RP3000002
- 20 C-NT2RP3000050//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.2E-150//490aa//53%//Q05481
C-NT2RP3000055
C-NT2RP3000068
C-NT2RP3000080
- 25 C-NT2RP3000085//ACETYL-/PROPIONYL-COENZYME A CARBOXYLASE ALPHA CHAIN [CONTAINS: BIOTIN CARBOXYLASE (EC 6.3.4.14); BIOTIN CARBOXYL CARRIER PROTEIN (BCCP)].//1.9E-123//436aa//50%//P46401
C-NT2RP3000092
C-NT2RP3000109//P54 PROTEIN PRECURSOR.//0.0000065//358aa//22%//P13692
- 30 C-NT2RP3000134
C-NT2RP3000149
C-NT2RP3000197
C-NT2RP3000207//"GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLU-COSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)."//2.9E-11//721aa//23%//P08640
- 35 C-NT2RP3000233//"Human DNA sequence from clone 22D12 on chromosome Xq21.1-21.33. Contains a novel protein similar to Drosophila Kelch (Ring Canal protein, KEL) and a heterogenous set of other types of proteins. Contains ESTs and GSSs, complete sequence."//0//1462bp//99%//AL035424
C-NT2RP3000235
C-NT2RP3000247
- 40 C-NT2RP3000267
C-NT2RP3000299//"Rattus norvegicus mRNA for Crk-associated substrate, p130, complete cds."//0//2730bp//82%//D29766
C-NT2RP3000324
C-NT2RP3000341//"Homo sapiens mitochondrial inner membrane preprotein translocase Tim17a mRNA, nuclear gene encoding mitochondrial protein, complete cds."//1.5E-246//1124bp//99%//AF106622
- 45 C-NT2RP3000393//"Rattus norvegicus DNA-binding protein PREB (Preb) mRNA, complete cds."//5.8E-266//1373bp//86%//AF061817
C-NT2RP3000441//"Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds."//3.40E-42//645bp//67%//AF098066
- 50 C-NT2RP3000449
C-NT2RP3000451
C-NT2RP3000456
C-NT2RP3000542
C-NT2RP3000561
- 55 C-NT2RP3000562//"Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds."//0//2165bp//99%//AF093097
C-NT2RP3000578//HES1 PROTEIN.//1.3E-22//229aa//27%//P35843
C-NT2RP3000590//UVS-2 PROTEIN.//1.3E-22//458aa//24%//P33288

- C-NT2RP3000592
 C-NT2RP3000622
 C-NT2RP3000624
 C-NT2RP3000685
- 5 C-NT2RP3000736//HYPOTHETICAL PROTEIN KIAA0140//1.2E-166//305aa//99%/014153
 C-NT2RP3000742//"1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA
 1 (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT)"//4.1E-165//
 371aa//49%/P10895
 C-NT2RP3000753
- 10 C-NT2RP3000826
 C-NT2RP3000865
 C-NT2RP3000875//MEVALONATE KINASE (EC 2.7.1.36) (MK)//7.7E-87//175aa//98%/Q03426
 C-NT2RP3001007
 C-NT2RP3001055
- 15 C-NT2RP3001111//"Homo sapiens TRF-proximal protein mRNA, complete cds."//1.50E-149//731bp//
 97%/AF097725
 C-NT2RP3001120//ZINC FINGER PROTEIN 136//7.8E-170//512aa//58%/P52737
 C-NT2RP3001126
 C-NT2RP3001150//TRANSCRIPTION TERMINATION FACTOR RHO//0.00000031//207aa//29%/P52154
- 20 C-NT2RP3001232
 C-NT2RP3001268//"Homo sapiens zinc finger protein ZNF228 (ZNF228) mRNA, complete cds."//0//
 3606bp//99%/AF198358
 C-NT2RP3001272//Mus musculus mRNA for macrophage actin-associated-tyrosine-phosphorylated protein//
 1.3E-99//669bp//83%/Y18101
- 25 C-NT2RP3001274//"Homo sapiens mRNA for KIAA1037 protein, partial cds."//0//2254bp//99%/
 AB028960
 C-NT2RP3001281
 C-NT2RP3001297
 C-NT2RP3001318
- 30 C-NT2RP3001338//ZINC FINGER PROTEIN 81 (FRAGMENT)//2.4E-16//175aa//28%/P51508
 C-NT2RP3001355//TRICARBOXYLATE TRANSPORT PROTEIN PRECURSOR (CITRATE TRANSPORT PRO-
 TEIN) (CTP) (TRICARBOXYLATE CARRIER PROTEIN)//3.6E-25//129aa//34%/P32089
 C-NT2RP3001374
 C-NT2RP3001428//NUCLEOPROTEIN TPR//1.4E-128//152aa//99%/P12270
- 35 C-NT2RP3001432
 C-NT2RP3001447
 C-NT2RP3001449//"Human DNA sequence from clone 283E3 on chromosome 1p36.21-36.33. Contains the
 alternatively spliced gene for Matrix Metalloproteinase in the Female Reproductive tract MIFR1, -2, MMP21/22A,
 -B and -C, a novel gene, the alternatively spliced CDC2L2 gene for Cell Division Cycle 2-Like 2 (PITSLRE, p58/GTA,
 Galactosyltransferase Associated Protein Kinase) beta 1, beta 2-1, beta 2-2 and alpha 2-4, a 40S Ribosomal
 Protein S7 pseudogene, part of the KIAA0447 gene, a novel alternatively spliced gene similar to many (archae)
 bacterial, worm and yeast hypothetical genes, and the GNB1 gene for Guanine Nucleotide Binding Protein (G
 protein), Beta polypeptide 1 (Transducin Beta chain 1). Contains putative CpG islands, ESTs, STSs and GSSs,
 complete sequence."//0//1827bp//99%/AL031282
- 40 C-NT2RP3001453//ANTIGEN PEPTIDE TRANSPORTER 2 (APT2) (HISTOCOMPATIBILITY ANTIGEN MODIFI-
 ER 2)//3.2E-90//157aa//59%/P36371
 C-NT2RP3001459
 C-NT2RP3001527//"Human Spl40 protein (Spl40) mRNA, complete cds."//4.3E-290//793bp//93%/
 U63420
- 50 C-NT2RP3001538//HYPOTHETICAL 39.0 KD PROTEIN T2.8D9.3 IN CHROMOSOME II//9.10E-10//158aa//
 31%/Q10022
 C-NT2RP3001580//"Mus musculus strain C57BL/J germ cell-less protein (Gcl) mRNA, complete cds."/
 //0//1730bp//85%/AF163665
 C-NT2RP3001587//"Human anthracycline-associated resistance ARX mRNA, complete cds."//0//
 2617bp//99%/U35832
- 55 C-NT2RP3001589
 C-NT2RP3001607
 C-NT2RP3001608

C-NT2RP3001671//"Homo sapiens mRNA for KIAA0850 protein, complete cds."//0//2310bp//99%//
 AB020657
 C-NT2RP3001672//"Homo sapiens Sex comb on midleg homolog 1 isoform 2 (SCMH1) mRNA, complete
 cds."//0//2836bp//99%//AF149046
 5 C-NT2RP3001678
 C-NT2RP3001688//"Homo sapiens glucocorticoid modulatory element binding protein-1 (GMEB1) mRNA,
 complete cds."//0//1695bp//99%//AF099013
 C-NT2RP3001690//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1//0.00000024//481aa//21%//
 P25386
 10 C-NT2RP3001698
 C-NT2RP3001708//TWISTED GASTRULATION PROTEIN PRECURSOR//3.4E-33//161aa//32%//P54356
 C-NT2RP3001716
 C-NT2RP3001752
 C-NT2RP3001792//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M)//1.8E-117//462aa//
 15 55%//P52272
 C-NT2RP3001844
 C-NT2RP3001854//Homo sapiens mRNA; cDNA DKFZp564G013 (from clone DKFZp564G013)//0//1528bp//
 99%//AL050011
 C-NT2RP3001855//HOMEBOX PROTEIN PKNOX1 (HOMEBOX PROTEIN PREP-1)//8.1E-125//302aa//
 20 60%//P55347
 C-NT2RP3001898//"Homo sapiens mRNA for UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-
 1,4-N-acetylglucosaminyltransferase IV, complete cds."//0//1587bp//100%//AB000624
 C-NT2RP3001931
 C-NT2RP3001969//TRICHOHYALIN//2.7E-11//442aa//23%//P37709
 25 C-NT2RP3002002
 C-NT2RP3002004//H.sapiens mRNA for FAST kinase//1.50E-19211475bp//94%//X86779
 C-NT2RP3002007//SAP1 PROTEIN//1.1E-68//474aa//32%//P39955
 C-NT2RP3002014//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III//5.30E-25//139aa//
 48%//Q09232
 30 C-NT2RP3002045//"Homo sapiens mRNA for KIAA0899 protein, partial cds."//0//33 85bp//99%//
 AB020706
 C-NT2RP3002056//"Homo sapiens Rb binding protein homolog mRNA, partial cds."//0//2374bp//99%//
 AF083249
 C-NT2RP3002062//"Homo sapiens mRNA for KIAA0873 protein, partial cds."//0//3764bp//99%//
 35 AB020680
 C-NT2RP3002081//"Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.
 "//4.1E-233//1896bp//69%//AF111423
 C-NT2RP3002097
 C-NT2RP3002108//DEC1 PROTEIN (MDM20 PROTEIN)//7.90E-09//181aa//22%//Q12387
 40 C-NT2RP3002142
 C-NT2RP3002146
 C-NT2RP3002151//G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG (GTP-BINDING PROTEIN
 GST1-HS)//2.8E-253//474aa//93%//P15170
 C-NT2RP3002165//TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP7//1.9E-151//223aa//91%//Q02614
 45 C-NT2RP3002166
 C-NT2RP3002181
 C-NT2RP3002244
 C-NT2RP3002248
 C-NT2RP3002273//SCD6 PROTEIN//1.30E-09//295aa//28%//P45978
 50 C-NT2RP3002276
 C-NT2RP3002304
 C-NT2RP3002501//THREONINE DEHYDRATASE CATABOLIC (EC 4.2.1.16) (THREONINE DEAMINASE)//
 3.70E-43//318aa//37%//P05792
 C-NT2RP3002529//Homo sapiens mRNA for leucocyte vacuolar protein sorting//0//2276bp//99%//AJ133421
 55 C-NT2RP3002566
 C-NT2RP3002587
 C-NT2RP3002590
 C-NT2RP3002631

C-NT2RP3002650//"Mus musculus growth suppressor 1L (Gros1) mRNA, complete cds."//0//2109bp//
 87%//AF165163
 C-NT2RP3002663//"Homo sapiens putative glycolipid transfer protein mRNA, complete cds."//8.10E-
 263//1243bp//97%//AF103731
 5 C-NT2RP3002671//ELONGATION FACTOR 2 (EF-2)//2.50E-73//179aa//36%//P13060
 C-NT2RP3002763
 C-NT2RP3002861
 C-NT2RP3002911
 C-NT2RP3002948//RING CANAL PROTEIN (KELCH PROTEIN)//2E-111//551aa//42%//Q04652
 10 C-NT2RP3002953//"Homo sapiens protocadherin beta 5 (PCDH-beta5) mRNA, complete cds."//0//
 2388bp//99%//AF152498
 C-NT2RP3002988//"Homo sapiens Ikb kinase-b (IKK-beta) mRNA, complete cds."//1.8E-292//
 1325bp//99%//AF080158
 C-NT2RP3003008
 15 C-NT2RP3003101//"Mouse mRNA for tetracycline transporter-like protein, complete cds."//3.6E-83//
 807bp//72%//D88315
 C-NT2RP3003204
 C-NT2RP3003278
 C-NT2RP3003282//"Homo sapiens dynamin (DNM) mRNA, complete cds."//0//2596bp//98%//L36983
 20 C-NT2RP3003290//"Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds."//1.5e-310//
 1468bp//82%//AB033922
 C-NT2RP3003302
 C-NT2RP3003313//"Homo sapiens thyroid hormone receptor-associated protein complex component
 TRAP80 mRNA, complete cds."//0//2476bp//99%//AF117657
 25 C-NT2RP3003327//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))
 (R052)//1.3E-35//178aa//44%//Q62191
 C-NT2RP3003344
 C-NT2RP3003353//HYPOTHETICAL 26.2 KD PROTEIN IN GDI1-COX15 INTERGENIC REGION//2.80E-07//
 161aa//28%//P40084
 30 C-NT2RP3003377
 C-NT2RP3003385//"Mus musculus SKD3 mRNA, complete cds."//0//2133bp//85%//U09874
 C-NT2RP3003433
 C-NT2RP3003490//"Homo sapiens mRNA for KIAA0725 protein, partial cds."//0//2437bp//99%//
 AB018268
 35 C-NT2RP3003491//"Drosophila melanogaster Pelle associated protein Pellino (Pli) mRNA, complete cds.
 "//5.6E-36//842bp//62%//AF091624
 C-NT2RP3004206//CROOKED NECK PROTEIN//1.4E-220//567aa//67%//P17886
 C-NT2RP3004207//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene)//0//2445bp//100%//
 AJ245820
 40 C-NT2RP3004209//"Homo sapiens ubiquitin processing protease (Ubp-M) mRNA, complete cds."//0//
 2320bp//99%//AF126736
 C-NT2RP3004242//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-
 CIOGENITAL DYSPLASIA PROTEIN HOMOLOG)//4.7E-13//118aa//33%//P52734
 C-NT2RP3004246
 45 C-NT2RP3004258//"Homo sapiens ZIS1 mRNA, complete cds."//0//1861bp//99%//AF065391
 C-NT2RP3004262//"Homo sapiens heat shock protein hsp40-3 mRNA, complete cds."//2.4E-248//
 1126bp//100%//AF088982
 C-NT2RP3004341
 C-NT2RP3004378
 50 C-NT2RP3004424//Homo sapiens mRNA for stromal antigen 3 (STAG3 gene)//1E-66//364bp//93%//AJ007798
 C-NT2RP3004428
 C-NT2RP3004451
 C-NT2RP3004454//"Homo sapiens mRNA for KIAA0448 protein, complete cds."//0//2875bp//99%//
 AB007917
 55 C-NT2RP3004472//GERM CELL-LESS PROTEIN//1.6E-61//170aa//40%//Q01820
 C-NT2RP3004498//"Mus musculus ROSA 26 transcription AS ROSA26AS mRNA, complete cds."//
 2E-249//1777bp//80%//U83176
 C-NT2RP3004504//M.musculus mRNA for CPEB protein//1.9E-295//893bp//92%//Y08260

C-NT2RP3004507//MOB1 PROTEIN (MPS1 BINDER 1)//3.7E-37//190aa//39%/P40484
 C-NT2RP3004534//"Mouse oncogene (ect2) mRNA, complete cds."//0//2075bp//87%/L11316
 C-NT2RP4000528//NPL4 PROTEIN//9.8E-86//515aa//37%/P33755
 5 C-NT2RP4000907//"Mouse NLRR-1 mRNA for leucine-rich-repeat protein, complete cds."//0//
 2127bp//86%/D45913
 C-NT2RP4001029//"Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds."//0//1711bp//
 90%/U20086
 C-NT2RP4001336//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN//0.000016//
 186aa//29%/O24076
 10 C-NT2RP4001389//KES1 PROTEIN//1.70E-31//342aa//34%/P35844
 C-NT2RP4001442
 C-NT2RP4001529//"Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds."//1.70E-255//
 1148bp//90%/U20086
 C-NT2RP4001656//VACUOLAR BIOGENESIS PROTEIN END1 (PEP5 PROTEIN)//1.10E-45//310aa//27%/P12868
 15 C-OVARC1000106//"TROPOMYOSIN 1, FUSION PROTEIN 33."//0.000032//165aa//27%/P49455
 C-OVARC1000198
 C-OVARC1000682//"PROCESSING ALPHA-1,2-MANNOSIDASE (EC 3.2.1.-) (ALPHA-1,2-MANNOSI-
 DASE 1B)."//1.1E-209//293aa//95%/P39098
 20 C-OVARC1000703
 C-OVARC1000722//"Homo sapiens chromosome 1q21-1q23 beta-1,4-galactosyltransferase mRNA, com-
 plete cds."//0//759bp//98%/AF038661
 C-OVARC1000730
 C-OVARC1000746//MATERNAL EFFECT PROTEIN STAUFEN//0.000000017//78aa//48%/P25159
 25 C-OVARC1000781
 C-OVARC1000787
 C-OVARC10008347//Homo sapiens mRNA for atopy related autoantigen CALCJ//2.8E-258//1183bp//99%/Y17711
 C-OVARC1000846//NUCLEOLIN (PROTEIN C23)//0.0000097//109aa//30%/P08199
 C-OVARC1000850//"Homo sapiens PB39 mRNA, complete cds."//0//2095bp//99%/AF045584
 30 C-OVARC1000862//M.musculus mRNA for FT1//5.9E-226//1498bp//81%/Z67963
 C-OVARC1000876//MOB1 PROTEIN (MPS1 BINDER 1)//2.2E-50//206aa//52%/P40484
 C-OVARC1000883
 C-OVARC1000886
 C-OVARC1000912
 35 C-OVARC1000915//"Homo sapiens histone deacetylase 5 mRNA, complete cds."//1.60E-121//591bp//
 97%/AF132608
 C-OVARC1000924
 C-OVARC1000964
 C-OVARC1000984
 40 C-OVARC1001004
 C-OVARC1001010
 C-OVARC1001011
 C-OVARC1001032
 C-OVARC1001044
 45 C-OVARC1001055//PRE-B CELL ENHANCING FACTOR PRECURSOR//1.9E-35//76aa//98%/P43490
 C-OVARC1001068//"Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds."//0//1819bp//
 99%/AF082657
 C-OVARC1001074
 C-OVARC1001092//"Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337,
 50 LLNLc110F185707 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin))."//2E-214//769bp//97%/AJ005897
 C-OVARC1001107//"Homo sapiens protein methyltransferase (JBP1) mRNA, complete cds."//6.1E-
 276//594bp//98%/AF167572
 C-OVARC1001154//"Homo sapiens clone 24720 epithelin 1 and 2 mRNA, complete cds."//2.3E-296//
 55 1561bp//93%/AF055008
 C-OVARC1001161
 C-OVARC1001167
 C-OVARC1001170

C-OVARC1001171//"Homo sapiens translation initiation factor 3 47 kDa subunit mRNA, complete cds."
 //5.7E-151//436bp//92%//U94855
 C-OVARC1001173
 C-OVARC1001176
 5 C-OVARC1001180//UBIQUITIN-LIKE PROTEIN DSK2.//1.1E-11//221aa//25%//P48510
 C-OVARC1001188
 C-OVARC1001232//"CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT
 (CPSF 100 KD SUBUNIT)."//5.10E-22//83aa//37%//Q10568
 C-OVARC1001270
 10 C-OVARC1001271//NUCLEOLAR TRANSCRIPTION FACTOR 1 (UPSTREAM BINDING FACTOR 1) (UBF-1).//
 0.0000014//224aa//26%//P25976
 C-OVARC1001306//N-MYC PROTO-ONCOGENE PROTEIN //0.00000073//247aa//27%//P18444
 C-OVARC1001344
 C-OVARC1001369
 15 C-OVARC1001372//"Homo sapiens mRNA for KIAA0897 protein, partial cds."//0//840bp//97%//
 AB020704
 C-OVARC1001391
 C-OVARC1001399
 C-OVARC1001417//"Homo sapiens thyroid hormone receptor-associated protein complex component
 20 TRAP170 mRNA, complete cds."//0//1715bp//99%//AF135802
 C-OVARC1001419//"Homo sapiens GOK (STIM1) mRNA, complete cds."//4.9E-48//586bp//69%//
 U52426
 C-OVARC1001436//ENL PROTEIN.//0.00000009//81aa//39%//Q03111
 C-OVARC1001453
 25 C-OVARC1001476//"Mus musculus YGR163w mRNA homologue, complete cds."//1.80E-187//
 510bp//89%//AB017616
 C-OVARC1001480
 C-OVARC1001489
 C-OVARC1001506//POLYCYSTIN PRECURSOR (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE
 30 PROTEIN 1).//0//777aa//91%//P98161
 C-OVARC1001525
 C-OVARC1001555//NGG1-INTERACTING FACTOR 3.//4.4E-19//130aa//40%//P53081
 C-OVARC1001577//Homo sapiens SRp46 splicing factor transcribed retropseudogene.//0//1167bp//100%//
 AF031165
 35 C-OVARC1001600
 C-OVARC1001610//"Homo sapiens choline/ethanolaminephosphotransferase (CEPT1) mRNA, complete
 cds."//0//1870bp//99%//AF068302
 C-OVARC1001702
 C-OVARC1001703//"Mus musculus ARL-6 interacting protein-2 (Aip-2) mRNA, complete cds."//3.5E-
 40 16//399bp//61%//AF133670
 C-OVARC1001711//CORNIFIN B (SMALL PROLINE-RICH PROTEIN 1B) (SPR1B) (SPR1 B).//2.80E-10//106aa//
 38%//Q62267
 C-OVARC1001713//ENDOZEPINE-RELATED PROTEIN PRECURSOR (MEMBRANE-ASSOCIATED DI-
 AZEPAM BINDING INHIBITOR) (MA-DBI).//4.4E-40//195aa//41%//P07106
 45 C-OVARC1001726//APICAL-LIKE PROTEIN (APXL PROTEIN).//4.3E-16//116aa//43%//Q13796
 C-OVARC1001731//"TROPOMYOSIN ALPHA CHAIN, FIBROBLAST ISOFORM F2."//4E-122//
 282aa//85%//P08942
 C-OVARC1001745
 C-OVARC1001762//"N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA-
 50 AMINO, ACETYLTRANSFERASE 1)."//6.4E-85//514aa//34%//P12945
 C-OVARC1001766//"Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete
 cds."//0//963bp//99%//U97670
 C-OVARC1001767//"Homo sapiens mRNA for KIAA0675 protein, complete cds."//0//2083bp//99%//
 AB014575
 55 C-OVARC1001768
 C-OVARC1001791
 C-OVARC1001795
 C-OVARC1001802

EP 1 074 617 A2

C-OVARC1001809//"Mus musculus sphingosine kinase (SPHK1a) mRNA, partial cds."//2.7E-190//
 1624bp//76%//AF068748
 C-OVARC1001828
 C-OVARC1001846
 5 C-OVARC1001861
 C-OVARC1001879
 C-OVARC1001880
 C-OVARC1001883
 C-OVARC1001916
 10 C-OVARC1001928
 C-OVARC1001942//"N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA-
 AMINO, ACETYLTRANSFERASE 1)."//3.1E-81//497aa//35%//P12945
 C-OVARC1001943//"Mus musculus DEBT-91 mRNA, complete cds."//0//2035bp//87%//AF143859
 C-OVARC1001950
 15 C-OVARC1001987//"Rattus norvegicus DNA-binding protein PREB (Preb) mRNA, complete cds."//
 2.3E-220//652bp//84%//AF061817
 C-OVARC1002050//"Homo sapiens mRNA for actin binding protein ABP620, complete cds."//0//
 1019bp//99%//AB029290
 C-OVARC1002082
 20 C-OVARC1002107
 C-OVARC1002127//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER 2 (BRAIN DIGOXIN CARRI-
 ER PROTEIN) (BRAIN-SPECIFIC ORGANIC ANION TRANSPORTER) (OATP-B1).//5.4E-52//306aa//35%//
 035913
 C-OVARC1002138//SAP1 PROTEIN.//7.6E-60//128aa//59%//P39955
 25 C-OVARC1002156
 C-OVARC1002158
 C-PLACE1000004//"Homo sapiens IDN3-B mRNA, complete cds."//0//2365bp//99%//AB019602
 C-PLACE1000040//TRANSFORMING PROTEIN P21/K-RAS 2B.//1.4E-17//185aa//32%//P08643
 C-PLACE1000048
 30 C-PLACE1000050
 C-PLACE1000061//Human ribosomal protein L37a mRNA sequence.//7.9E-54//190bp//94%//L22154
 C-PLACE1000081//"Human SEC7 homolog Tic (TIC) mRNA, complete cds."//0//2077bp//99%//
 U63127
 C-PLACE1000094
 35 C-PLACE1000133//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3).//
 1.8E-62//158aa//81%//P20290
 C-PLACE1000214
 C-PLACE1000236
 C-PLACE1000246
 40 C-PLACE1000292
 C-PLACE1000308
 C-PLACE1000332
 C-PLACE1000453
 C-PLACE1000583//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//1.60E-47//207aa//46%//
 45 P51522
 C-PLACE1000599
 C-PLACE1000610//MSN5 PROTEIN.//0.0000026//136aa//26%//P52918
 C-PLACE1000653//"Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds."//
 0//1992bp//99%//AF180371
 50 C-PLACE1000656//"Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and
 LLNLc110F1857Q7 (RZPD Berlin))."//2.1E-277//1260bp//99%//AJ005896
 C-PLACE1000706//"Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds."//
 //0//1366bp//99%//AF119043
 C-PLACE1000712
 55 C-PLACE1000749
 C-PLACE1000769//"Homo sapiens CGI-18 protein mRNA, complete cds."//0//1985bp//98%//
 AF132952
 C-PLACE1000786//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-

EP 1 074 617 A2

CIOGENITAL DYSPLASIA PROTEIN HOMOLOG)//7.10E-09//59aa//47%//P52734
C-PLACE1000849
C-PLACE1000856//"Homo sapiens mRNA for KIAA0974 protein, partial cds."//0//1310bp//100%//
AB023191
5 C-PLACE1000931
C-PLACE1000987//"Homo sapiens mRNA for KIAA0724 protein, complete cds."//0//1749bp//99%//
AB018267
C-PLACE1001010
C-PLACE1001015
10 C-PLACE1001024
C-PLACE1001062//"Homo sapiens PAC clone DJ1049N15 from 7q31.2-7q32, complete sequence."//
2.7E-32//470bp//71%//AC006020
C-PLACE1001104
C-PLACE1001168
15 C-PLACE1001171//MYOTUBULARIN//7.1E-84//198aa//73%//Q13496
C-PLACE1001185//"Homo sapiens mRNA for KIAA0943 protein, partial cds."//0//1668bp//99%//
AB023160
C-PLACE1001238//"Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds."//
2E-202//1333bp//80%//D14336
20 C-PLACE1001280
C-PLACE1001294//M.musculus GEG-154 mRNA//4.3E-221//1057bp//78%//X71642
C-PLACE1001304//"Homo sapiens zinc finger protein dp mRNA, complete cds."//0//2421bp//99%//
AF153201
C-PLACE1001311
25 C-PLACE1001323
C-PLACE1001351
C-PLACE1001414
C-PLACE1001440
C-PLACE1001456
30 C-PLACE1001517//"Homo sapiens gene for glycosylphosphatidylinositol anchor attachment 1 (GPAA1),
complete cds."//4.60E-112//392bp//87%//AB002137
C-PLACE1001602//CCR4-ASSOCIATED FACTOR 1 (CAF1)//5.7E-130//244aa//99%//Q60809
C-PLACE1001632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//1.4E-118//429aa//48%//
P51523
35 C-PLACE1001634
C-PLACE1001640
C-PLACE1001672//PROBABLE AMINOTRANSFERASE T01B11.2 (EC 2.6.1.-)//4.3E-66//174aa//45%//P91408
C-PLACE1001705
C-PLACE1001716
40 C-PLACE1001720
C-PLACE1001745
C-PLACE1001748//"Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds."//0//2602bp//99%//
AF061243
C-PLACE1001771//Homo sapiens mRNA for transient receptor potential protein
45 TRP6//0//2900bp//99%//AJ006276
C-PLACE1001799
C-PLACE1001845//"Mus musculus cyclin ania-6a mRNA, complete cds."//3.30E-31//925bp//62%//
AF159159
C-PLACE1001897
50 C-PLACE1002090//SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (SRP72)//6.5E-58//112aa//100%//
076094
C-PLACE1002157
C-PLACE1002171//TRANSCRIPTION REGULATORY PROTEIN SWI3 (SWI/SNF COMPLEX COMPONENT
SWI3) (TRANSCRIPTION FACTOR TYE2)//0.00005//179aa//23%//P32591
55 C-PLACE1002227
C-PLACE1002259
C-PLACE1002319
C-PLACE1002395//"Mus musculus mRNA for UBE-1c1, UBE-1c2, UBE-1c3, complete cds."//7.9E-

100//966bp//75%//AB030505
 C-PLACE1002477
 C-PLACE1002493//"Homo sapiens signal transducing adaptor molecule 2A (STAM2) mRNA, complete cds.
 "//1.7E-113//545bp//98%//AF042273
 5 C-PLACE1002500
 C-PLACE1002514
 C-PLACE1002532//HOMEODOMAIN PROTEIN DLX-5//1.2E-152//289aa//96%//P70396
 C-PLACE1002537
 C-PLACE1002571//ACTIN-LIKE PROTEIN 13E//5E-99//386aa//48%//P45890
 10 C-PLACE10025 83//"GLUTAMATE RECEPTOR, IONOTROPIC KAINATE 2 PRECURSOR (GLUTAMATE
 RECEPTOR 6) (GLUR-6) (GLUTAMATE RECEPTOR BETA-2) (GLUR BETA-2) (FRAGMENT)."//5.6E-34//
 76aa//98%//P39087
 C-PLACE1002598//OLIGORIBONUCLEASE (EC 3.1.-.-)//5.5E-17//76aa//56%//P45340
 C-PLACE1002625
 15 C-PLACE1002655//ADSEVERIN (SCINDERIN)(SC)//2.5E-278//543aa//92%//Q28046
 C-PLACE1002768
 C-PLACE1002782//"Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds."//3.8E-43//
 385bp//77%//U50927
 C-PLACE1002816//HISTONE DEACETYLASE HDA1//2.20E-48//217aa//46%//P53973
 20 C-PLACE1002853
 C-PLACE1002908//"Homo sapiens XGalT-1 mRNA for galactosyltransferase I, complete cds."//0//
 1654bp//99%//AB028600
 C-PLACE1002962
 C-PLACE1002968
 25 C-PLACE1002991//PUTATIVE AMIDASE (EC 3.5.1.4)//1.4E-78//496aa//37%//Q49091
 C-PLACE1003025
 C-PLACE1003027//"Homo sapiens mRNA for KIAA0516 protein, partial cds."//2.1e-314//1417bp//
 100%//AB011088
 C-PLACE1003044//"Homo sapiens mRNA for KIAA0829 protein, partial cds."//0//1382bp//96%//
 30 AB020636
 C-PLACE1003176
 C-PLACE1003238//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001//4.9E-76//309aa//47%//
 Q15391
 C-PLACE1003256
 35 C-PLACE1003258//EARLY EMBRYOGENESIS ZYG-11 PROTEIN//7.9E-22//70aa//47%//P21541
 C-PLACE1003343
 C-PLACE1003361
 C-PLACE1003366//"Homo sapiens otoferlin (OTOF) mRNA, complete cds."//1.4E-78//542bp//67%//
 AF107403
 40 C-PLACE1003373
 C-PLACE1003375
 C-PLACE1003394//"Sprague-Dawley (clone LRB13) RAB14 mRNA, complete cds."//2.30E-150//
 774bp//94%//M83680
 C-PLACE1003420//PUTATIVE MITOCHONDRIAL CARRIER YIL006W//1.3E-40//278aa//36%//P40556
 45 C-PLACE1003454
 C-PLACE1003478
 C-PLACE1003516
 C-PLACE1003519//H.sapiens hnRNP-E2 mRNA//5.1E-218//905bp//99%//X78136
 C-PLACE1003521//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III//0.0000011//101aa//32%//
 50 Q09475
 C-PLACE1003528
 C-PLACE1003537//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENOMEMBRANE PROTEIN) (PHE-
 ROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPO-
 NENT)//7.7E-68//404aa//33%//P32802
 55 C-PLACE1003566
 C-PLACE1003584
 C-PLACE1003593
 C-PLACE1003605//HAP5 TRANSCRIPTIONAL

EP 1 074 617 A2

ACTIVATOR.//0.00000023//82aa//35%//Q02516
 C-PLACE1003618
 C-PLACE1003638
 C-PLACE1003738//ZINC FINGER PROTEIN 135.//9.6E-118//350aa//46%//P52742
 5 C-PLACE1003760//"Homo sapiens tetraspanin TM4-A mRNA, complete cds."//5.2E-289//1313bp//
 97%//AF133423
 C-PLACE1003768
 C-PLACE1003795
 C-PLACE1003886
 10 C-PLACE1003888//"Homo sapiens mRNA for KIAA1092 protein, partial cds."//0//2057bp//99%//
 AB029015
 C-PLACE1003903//CTP SYNTHASE (EC 6.3.4.2) (UTP--AMMONIA LIGASE) (CTP SYNTHETASE).//1.4E-243//
 584aa//74%//P17812
 C-PLACE1003915//"PROBABLE ARGINYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.19) (AR-
 15 GININE- -TRNA LIGASE) (ARGRS)."//2.4E-108//581aa//40%//Q05506
 C-PLACE1004118
 C-PLACE1004256//"Mus musculus short coiled coil protein SCOCO (Scoc) mRNA, complete cds."//
 2E-93//960bp//76%//AF115778
 C-PLACE1004274
 20 C-PLACE1004284
 C-PLACE1005331
 C-PLACE1005739//Homo sapiens mRNA; cDNA DKFZp564A032 (from clone DKFZp564A032).//0//2190bp//
 99%//AL050267
 C-PLACE1005828
 25 C-PLACE1005876//"CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT
 (CPSF 100 KD SUBUNIT)."//0//730aa//99%//Q10568
 C-PLACE1005890//BEM46 PROTEIN (FRAGMENT).//9.9E-42//224aa//43%//P54069
 C-PLACE1006157//E-SELECTIN PRECURSOR (ENDOTHELIAL LEUKOCYTE ADHESION MOLECULE 1)
 (ELAM-1) (LEUKOCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 2) (LECAM2) (CD62E).//2E-28//236aa//
 30 30%//P98110
 C-PLACE1007053
 C-PLACE1007068
 C-PLACE1008368//RING CANAL PROTEIN (KELCH PROTEIN).//5.3E-26//309aa//30%//Q04652
 C-PLACE1009921
 35 C-PLACE1010401
 C-PLACE1010856
 C-PLACE1010857
 C-PLACE1010917
 C-PLACE1010925
 40 C-PLACE1010926//"Homo sapiens mRNA for KIAA0554 protein, partial cds."//0//1160bp//100%//
 AB011126
 C-PLACE1010942//"Homo sapiens intersectin long isoform (ITSN) mRNA, complete cds."//0//1440bp//
 99%//AF114487
 C-PLACE1010944
 45 C-PLACE1010954
 C-PLACE1010960//ACTIN-LIKE PROTEIN 13E.//5.3E-98//297aa//48%//P45890
 C-PLACE1011026
 C-PLACE1011046//"1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 1
 (EC 3.1.4.11) (PLC-BETA-1) (PHOSPHOLIPASE C-BETA-1) (PLC-I) (PLC-154)."//0//646aa//97%//P10894
 50 C-PLACE1011054
 C-PLACE1011057
 C-PLACE1011109//"ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G)."//1.50E-
 22//63aa//88%//Q07803
 C-PLACE1011114//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.//2.9E-71//190aa//44%//Q03532
 55 C-PLACE1011133
 C-PLACE1011143
 C-PLACE1011165
 C-PLACE1011185//INSERTION ELEMENT IS1 PROTEIN INSB.//1.3E-89//167aa//100%//P03830

EP 1 074 617 A2

C-PLACE1011219//PROBABLEOXIDOREDUCTASE (EC 1.-.-.-)//3.2E-12//212aa//29%//Q03326
 C-PLACE1011221
 C-PLACE1011263//Homo sapiens mRNA; cDNA DKFZp5640043 (from clone DKFZp564O043)//0//2487bp//
 99%//AL050390
 5 C-PLACE1011325
 C-PLACE1011332//"Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds."//
 7.2E-151//697bp//99%//AF102265
 C-PLACE1011340//"Homo sapiens IDN3-B mRNA, complete cds."//1.20E-74//380bp//97%//
 AB019602
 10 C-PLACE1011399//"Homo sapiens CGI-72 protein mRNA, complete cds."//3.2E-90//427bp//99%//
 AF151830
 C-PLACE1011433//"Homo sapiens mRNA for KIAA0530 protein, partial cds."//0//1946bp//99%//
 AB011102
 C-PLACE1011452
 15 C-PLACE1011465
 C-PLACE1011472//"Homo sapiens mRNA for KIAA0712 protein, complete cds."//0//2022bp//99%//
 AB018255
 C-PLACE1011477//"Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds."//0//2040bp//99%//
 AF065482
 20 C-PLACE1011492//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT)//
 4.90E-11//147aa//32%//P52178
 C-PLACE1011520
 C-PLACE1011563
 C-PLACE1011567
 25 C-PLACE1011576//"Human Kruppel related zinc finger protein (HTF10) mRNA, complete cds."//0//
 1791bp//82%//L11672
 C-PLACE1011586
 C-PLACE1011643
 C-PLACE1011649
 30 C-PLACE1011664//CROOKED NECK PROTEIN//1.6E-187//505aa//64%//P17886
 C-PLACE1011682
 C-PLACE1011719
 C-PLACE1011729
 C-PLACE1011858//Homo sapiens mRNA; cDNA DKFZp586C021 (from clone DKFZp586C021)//0//1490bp//
 99%//AL050287
 35 C-PLACE1011874
 C-PLACE1011875//"Homo sapiens mRNA for KIAA0580 protein, partial cds."//4.1E-112//524bp//
 100%//AB011152
 C-PLACE1011923//"Homo sapiens serum-inducible kinase mRNA, complete cds."//0//2782bp//99%//
 AF059617
 40 C-PLACE1011982
 C-PLACE2000014//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III//2.6E-42//104aa//49%//
 Q09475
 C-PLACE2000015//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN
 45 EPS15) (AF-1P PROTEIN)//1.1E-116//364aa//45%//P42566
 C-PLACE2000017
 C-PLACE2000021//"Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase mRNA, com-
 plete cds."//2.7E-107//981bp//74%//AF082556
 C-PLACE2000047
 50 C-PLACE2000062//"Homo sapiens mRNA for type II membrane protein similar to HIV gp120-binding C-type
 lectin, complete cds, clone:HP01347."//6.3E-166//656bp//94%//AB015629
 C-PLACE2000100
 C-PLACE2000111
 C-PLACE2000172
 55 C-PLACE2000187
 C-PLACE2000216//"Dog nonerythroid beta-spectrin mRNA, 3' end."//3.2E-253//1799bp//83%//L02897
 C-PLACE2000246//"Homo sapiens mRNA for KIAA0795 protein, partial cds."//4.60E-172//796bp//
 99%//AB018338

C-PLACE2000317
 C-PLACE2000341//"Homo sapiens sodium-dependent multivitamin transporter (SMVT) mRNA, complete
 cds."0//1554bp//99%//AF069307
 C-PLACE2000366
 5 C-PLACE2000373//F-SPONDIN PRECURSOR//8.6E-16//371aa//28%//P35446
 C-PLACE2000394
 C-PLACE2000398//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48)//6.3E-37//
 90aa//98%//P10586
 10 C-PLACE2000411//"Homo sapiens mRNA for KIAA1037 protein, partial cds."0//2515bp//99%//
 AB028960
 C-PLACE2000425
 C-PLACE2000427//PROBABLE HELICASE MOT1//1.2E-26//200aa//27%//P32333
 C-PLACE2000433
 15 C-PLACE2000438//"POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PRO-
 TEIN- UDP ACETYL GALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N-ACETYL GALAC-
 TOSAMINYLTRANSFERASE)(GALNAC-T1)."2.1E-86//348aa//41%//Q10472
 C-PLACE2000458//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN)//2.5E-25//
 165aa//40%//P33450
 20 C-PLACE2000477//"Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds."6.7E-
 127//671bp//94%//AF072733
 C-PLACE3000009
 C-PLACE3000020//"Homo sapiens type III adenylyl cyclase (AC-III) mRNA, complete cds."0//
 2253bp//99%//AF033861
 C-PLACE3000103
 25 C-PLACE3000142
 C-PLACE3000145//TENSIN//1E-108//277aa//75%//Q04205
 C-PLACE3000156
 C-PLACE3000157
 C-PLACE3000197
 30 C-PLACE3000208
 C-PLACE3000226//"Homo sapiens mRNA for KIAA0962 protein, partial cds."0//4805bp//99%//
 AB023179
 C-PLACE3000242//"Homo sapiens mRNA for KIAA1114 protein, complete cds."0//2786bp//96%//
 AB029037
 35 C-PLACE3000363
 C-PLACE3000405
 C-PLACE3000416//"Homo sapiens mRNA for actin binding protein ABP620, complete cds."1.80E-
 141//565bp//98%//AB029290
 C-PLACE3000477
 40 C-PLACE4000106//"Homo sapiens mRNA for KIAA0462 protein, partial cds."0//6702bp//99%//
 AB007931
 C-PLACE4000323
 C-PLACE4000326//NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT
 SUPPRESSOR 1)//8.10E-24//319aa//31%//P30771
 45 C-PLACE4000369//"Homo sapiens mRNA for KIAA1025 protein, partial cds."0//4830bp//99%//
 AB028948
 C-PLACE4000445//Homo sapiens mRNA; cDNA DKFZp434C212 (from clone DKFZp434C212)//0//2565bp//
 99%//AL080196
 50 C-PLACE4000558//"Homo sapiens mRNA for KIAA0729 protein, partial cds."0//1051bp//97%//
 AB018272
 C-PLACE4000581//FIBROPELLIN I PRECURSOR (EPIDERMAL GROWTH FACTOR-RELATED PROTEIN 1)
 (UEGF-1)//9.3E-70//226aa//52%//P10079
 C-PLACE4000593
 55 C-PLACE4000612//POL POLYPROTEIN [CONTAINS: PROTEASE (EC 3.4.23.-); REVERSE TRANSCRIPTASE
 (EC 2.7.7.49); ENDONUCLEASE]//7.1E-154//340aa//40%//P21414
 C-PLACE4000670
 C-THYRO1000026
 C-THYRO1000085//"PAIRED BOX PROTEIN PAX-8, ISOFORMS 8A/8B."2E-72//155aa//92%//

Q06710
 C-THYRO1000107
 C-THYRO1000111
 C-THYRO1000132//"Homo sapiens echinoderm microtubule-associated protein homolog HuEMAP mRNA,
 5 complete cds."//1.1E-159//824bp//95%//U97018
 C-THYRO1000156
 C-THYRO1000173//"Homo sapiens AP-mu chain family member mu1B (HSMU1B) mRNA, complete cds.
 "//0//1713bp//99%//AF020797
 C-THYRO1000186
 10 C-THYRO1000187
 C-THYRO1000241
 C-THYRO1000279
 C-THYRO1000327//"Homo sapiens autocrine motility factor receptor (AMFR) mRNA, complete cds."
 //0//1567bp//99%//AF124145
 15 C-THYRO1000452
 C-THYRO1000471
 C-THYRO1000484
 C-THYRO1000502
 C-THYRO1000505
 20 C-THYRO1000585//"Homo sapiens protein associated with Myc mRNA, complete cds."//0//1901bp//
 99%//AF075587
 C-THYRO1000596
 C-THYRO1000662//"Homo sapiens XPV mRNA for DNA polymerase eta, complete cds."//0//2341 bp//
 99%//AB024313
 25 C-THYRO1000666//Mus musculus mRNA for kinesin like protein 9.//0//2001bp//86%//AJ132889
 C-THYRO1000715
 C-THYRO1000734
 C-THYRO1000748//RHO-GAP HEMATOPOIETIC PROTEIN C1 (P115) (KIAA0131).//3.30E-96//335aa//52%//
 P98171
 30 C-THYRO1000756//"ALPHA-N-ACETYL GALACTOSAMINIDE ALPHA-2,6-SIALYLTRANSFERASE (EC
 2.4.99.-) (ST6GALNACIII) (STY)."//1.8E-55//243aa//42%//Q64686
 C-THYRO1000777
 C-THYRO1000783//"Xenopus laevis tail-specific thyroid hormone up-regulated (gene 5) mRNA, complete
 cds."//2.4E-157//1656bp//70%//U37373
 35 C-THYRO1000787
 C-THYRO1000793
 C-THYRO1000796
 C-THYRO1000843
 C-THYRO1000852//"Human branched chain aminotransferase precursor (BCATm) mRNA, nuclear gene en-
 40 coding mitochondrial protein, complete cds."//3.3E-147//790bp//93%//U68418
 C-THYRO1000865
 C-THYRO1000895
 C-THYRO1000926//"Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.
 "//0//2387bp//99%//AF079529
 45 C-THYRO1000951//DIHYDROXYACETONE KINASE 2 (EC 2.7.1.29) (GLYCERONE KINASE).//5E-83//566aa//
 37%//P43550
 C-THYRO1000952
 C-THYRO1000983//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN
 LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B).//6.30E-17//143aa//39%//P35132
 50 C-THYRO1001003//UBIQUITIN-CONJUGATING ENZYME E2-21.2 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN
 LIGASE) (UBIQUITIN CARRIER PROTEIN).//5.90E-14//84aa//41%//P52491
 C-THYRO1001031
 C-THYRO1001062
 C-THYRO1001100//ZINC FINGER X-LINKED PROTEIN ZXDA (FRAGMENT).//1.2E-67//245aa//62%//P98168
 55 C-THYRO1001133
 C-THYRO1001134//"Homo sapiens CGI-78 protein mRNA, complete cds."//0//1898bp//99%//
 AF151835
 C-THYRO1001173

C-THYRO1001213
 C-THYRO1001321
 C-THYRO1001322
 C-THYRO1001365
 5 C-THYRO1001401
 C-THYRO1001411
 C-THYRO1001434
 C-THYRO1001534
 C-THYRO1001541
 10 C-THYRO1001559
 C-THYRO1001570
 C-THYRO1001595
 C-THYRO1001605
 C-THYRO1001617//Homo sapiens cDNA for dihydroxyacetone phosphate acyltransferase (DAP-AT).//0//1784bp//
 15 99%//AJ002190
 C-THYRO1001656//"Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds."//4.1E-
 273//1947bp//82%//AF175968
 C-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform.//0//1820bp//99%//
 AJ225089
 20 C-THYRO1001673
 C-THYRO1001703//NIFR3-LIKE PROTEIN.//2.90E-32//282aa//32%//P45672
 C-THYRO1001706
 C-THYRO1001738//TUBULIN-TYROSINE LIGASE (EC 6.3.2.25) (TTL).//2.4E-20//217aa//30%//P38584
 C-THYRO1001745
 25 C-THYRO1001793
 C-THYRO1001809//MYOCYTE NUCLEAR FACTOR (MNF).//1.4E-74//158aa//89%//P42128
 C-THYRO1001895
 C-THYRO1001907
 C-VESEN1000122
 30 C-Y79AA1000037//DNA-BINDING PROTEIN BMI-1.//2.4E-30//80aa//60%//P25916
 C-Y79AA1000059//"Homo sapiens immunophilin homolog ARA9 mRNA, complete cds."//2.9E-70//
 1040bp//65%//U78521
 C-Y79AA1000065
 C-Y79AA1000131
 35 C-Y79AA1000181//"Homo sapiens CGI-01 protein mRNA, complete cds."//0//1858bp//99%//
 AF132936
 C-Y79AA1000202
 C-Y79AA1000214//"Homo sapiens histone H2A.F/Z variant (H2AV) mRNA, complete cds."//7.1E-71//
 345bp//100%//AF081192
 40 C-Y79AA1000230
 C-Y79AA1000258
 C-Y79AA1000268//"Mus musculus Nip21 mRNA, complete cds."//2.10E-50//648bp//64%//AF035207
 C-Y79AA1000313//CALPHOTIN.//0.000011//336aa//23%//Q02910
 C-Y79AA1000328//SEL-10 PROTEIN.//0.000000067//219aa//25 %//Q93794
 45 C-Y79AA1000355
 C-Y79AA1000368//REDUCED VIABILITY UPON STARVATION PROTEIN 161.//4E-20//261 aa//27%//P25343
 C-Y79AA1000420
 C-Y79AA1000469//"Mus musculus ancient ubiquitous 46 kDa protein AUP1 precursor (Aup1) mRNA, com-
 plete cds."//8.30E-252//1207bp//85%//U41736
 50 C-Y79AA1000480
 C-Y79AA1000540
 C-Y79AA1000560//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE
 CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA
 C SUBUNIT).//0//652aa//98%//P17427
 55 C-Y79AA1000574//Homo sapiens clone H17 unknown mRNA.//0//1932bp//99%//AF103801
 C-Y79AA1000627//"Homo sapiens zinc finger protein (ZF5128) mRNA, complete cds."//2E-287//203
 lbp//82%//AF060503
 C-Y79AA1000705//M.musculus mRNA of enhancer-trap-locus 1 //5.80E-254//1477bp//84%//X69942

- C-Y79AA1000734//"Homo sapiens peroxisomal biogenesis factor (PEX11b) mRNA, complete cds."://0//1594bp//99%//AF093670
- C-Y79AA1000748//"Homo sapiens CGI-05 protein mRNA, complete cds."://1.9E-239//1367bp//91%//AF152097
- 5 C-Y79AA1000752//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP).//4.9E-91//200aa//64%//Q61990
- C-Y79AA1000774
- C-Y79AA1000782//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5).//3E-37//469aa//27%//P49902
- 10 C-Y79AA1000784//"Homo sapiens RanBP7/importin 7 mRNA, complete cds."://1.10E-236//1076bp//99%//AF098799
- C-Y79AA1000794//"Homo sapiens actin-associated protein 2E4/kaplin (2E4) mRNA, 2E4-1 allele, complete cds."://0//1610bp//99%//AF105369
- C-Y79AA1000800//"Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds."://1.6E-284//1288bp//99%//AF072733
- 15 C-Y79AA1000805
- C-Y79AA1000824
- C-Y79AA1000833//TUBULIN ALPHA-1 CHAIN.//5E-173//220aa//79%//P05209
- C-Y79AA1000850
- 20 C-Y79AA1000962//"MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II)."://4.2E-17//430aa//27%//Q99323
- C-Y79AA1000968//"Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds."://3.9E-248//1468bp//87%//U38253
- C-Y79AA1000976
- C-Y79AA1001023
- 25 C-Y79AA1001041
- C-Y79AA1001048//"ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.-) (VLCAD)."://3.1E-138//583aa//47%//P45953
- C-Y79AA1001077
- C-Y79AA1001078
- 30 C-Y79AA1001145
- C-Y79AA1001177
- C-Y79AA1001185
- C-Y79AA1001211//"Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds."://0//1435bp//99%//AF139658
- 35 C-Y79AA1001228
- C-Y79AA1001233//ESTRADIOL 17 BETA-DEHYDROGENASE 1 (EC 1.1.1.62) (17-BETA-HSD 1) (17-BETA-HYDROXYSTEROID DEHYDROGENASE 1).//7.7E-50//228aa//42%//P51657
- C-Y79AA1001236//"Homo sapiens mRNA for JM23 protein, complete coding sequence (clone IMAGE 34581 and IMAGE 45355 and LLNLC110I133Q7 (RZPD Berlin))."://0//1653bp//99%//AJ005892
- 40 C-Y79AA1001281
- C-Y79AA1001312//ZINC FINGER PROTEIN MLZ-4 (ZINC FINGER PROTEIN 46).//0.000000023//193aa//30%//Q03309
- C-Y79AA1001323//"Mus musculus mRNA for GSG1, complete cds."://3.3E-172//1171bp//83%//D87325
- 45 C-Y79AA1001391//HOMEODOMAIN PROTEIN HOX-A13 (HOX-1J).//1.2E-58//178aa//66%//P31271
- C-Y79AA1001394//CELL DIVISION PROTEIN FTSH HOMOLOG (EC 3.4.24.-).//1.2E-13//230aa//32%//O83746
- C-Y79AA1001402//"Homo sapiens paraneoplastic cancer-testis-brain antigen (MA4) mRNA, partial cds."://8.50E-65//784bp//62%//AF083115
- C-Y79AA1001493//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B).//3.80E-18//151aa//38%//P35132
- 50 C-Y79AA1001533//"Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds."://4.5E-193//1333bp//80%//D14336
- C-Y79AA1001541
- C-Y79AA1001548//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KINASE) (PI4K-ALPHA).//7.5E-76//85aa//90%//P42356
- 55 C-Y79AA1001555
- C-Y79AA1001581//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.9E-40//482aa//27%//P27550

C-Y79AA1001585
 C-Y79AA1001603//"POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PRO-
 TEIN- UDP ACETYL GALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N-ACETYL GALAC-
 TOSAMINYLTRANSFERASE) (GALNAC-T1)."://1.7E-84//313aa//48%//Q07537
 5 C-Y79AA1001613//ZINC FINGER PROTEIN 132.//3.8E-91//209aa//41%//P52740
 C-Y79AA1001665
 C-Y79AA1001679//"Homo sapiens lambda-crystallin mRNA, complete cds."://3.4e-310//1430bp//98%//
 AF077049
 C-Y79AA1001696//"Homo sapiens mRNA for KIAA1109 protein, partial cds."://0//1669bp//100%//
 10 AB029032
 C-Y79AA1001705//"Homo sapiens p53 regulated PA26-T2 nuclear protein (PA26) mRNA, complete cds.
 "://3.4E-47//626bp//68%//AF033120
 C-Y79AA1001711//"Human 60-kdal ribonucleoprotein (Ro) mRNA, complete cds."://1.2E-258//
 1185bp//99%//J04137
 15 C-Y79AA1001781
 C-Y79AA1001805
 C-Y79AA1001827//"Homo sapiens mammalian inositol hexakisphosphate kinase 2 (IP6K2) mRNA, com-
 plete cds."://0//1689bp//98%//AF177145
 C-Y79AA1001846
 20 C-Y79AA1001923
 C-Y79AA1001963//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE
 SPAC10F6.02C.//1E-10//94aa//47%//O42643
 C-Y79AA1002027//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN
 LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//9.9E-39//143aa//52%//P42743
 25 C-Y79AA1002083//H.sapiens mRNA for MUF1 protein.//5E-163//752bp//99%//X86018
 C-Y79AA1002089
 C-Y79AA1002115
 C-Y79AA1002125
 C-Y79AA1002204
 30 C-Y79AA1002208//ANKYRIN.//8.1E-34//188aa//38%//Q02357
 C-Y79AA1002209//"Homo sapiens CGI-04 protein mRNA, complete cds."://0//1617bp//99%//
 AF132939
 C-Y79AA1002229//DNA CROSS-LINK REPAIR PROTEIN PSO2/SNM1.//7.10E-17//213aa//31%//P30620
 C-Y79AA1002246//SYNAPTOTAGMIN V.//1.6E-28//286aa//32%//000445
 35 C-Y79AA1002298
 C-Y79AA1002307//"Homo sapiens astrotactin2 (ASTN2) mRNA, complete cds."://0//1209bp//99%//
 AF116574
 C-Y79AA1002311//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//2.9E-186//1130bp//82%//
 X67877
 40 C-Y79AA1002351
 C-Y79AA1002407
 C-Y79AA1002433//"Homo sapiens chromatin-specific transcription elongation factor FACT 140 kDa subunit
 mRNA, complete cds."://0//1545bp//96%//AF152961
 C-Y79AA1002472//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.5E-136//472aa//
 45 49%//Q05481

Homology Search Result Data 13.

[0333] Data obtained by the homology search for full-length nucleotide sequences and deduced amino acid sequenc-
 50 es. Each data includes Clone name, Definition in hit data, P value, Length of sequence to be compared, Homology,
 and Accession number (No.) of hit data. These items are shown in this order and separated by a double-slash mark, //.

C-HEMBA1000042
 C-HEMBA1000141//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds.//0//1135bp//100%//
 55 AF196304
 C-HEMBA1000150//H.sapiens gene for U5 snRNP-specific 200kD protein.//2.50E-153//525bp//91%//Z70200
 C-HEMBA1000213
 C-HEMBA1000243

C-HEMBA1000244
 C-HEMBA1000251
 C-HEMBA1000338
 C-HEMBA1000357
 5 C-HEMBA1000376
 C-HEMBA1000428
 C-HEMBA1000469
 C-HEMBA1000497
 C-HEMBA1000561//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//3.40E-37//674aa//
 10 25%//Q05481
 C-HEMBA1000569//GPI-ANCHORED PROTEIN P137//6.50E-19//265aa//32%//Q60865
 C-HEMBA1000575
 C-HEMBA1000591//PTB-ASSOCIATED SPLICING FACTOR (PSF)//2.20E-17//198aa//40%//P23246
 C-HEMBA1000673
 15 C-HEMBA1000702
 C-HEMBA1000722
 C-HEMBA1000726
 C-HEMBA1000876
 C-HEMBA1000942
 20 C-HEMBA1000943
 C-HEMBA1000960
 C-HEMBA1000985
 C-HEMBA1001019//CELL DIVISION CONTROL PROTEIN 2 HOMOLOG (EC 2.7.1.-) (P34 PROTEIN KINASE)
 (CYCLIN-DEPENDENT KINASE 1) (CDK1)//3.10E-10//70aa//58%//P06493
 25 C-HEMBA1001020
 C-HEMBA1001024
 C-HEMBA1001026
 C-HEMBA1001051
 C-HEMBA1001060
 30 C-HEMBA1001071//PROCOLLAGEN ALPHA 1(III) CHAIN PRECURSORS//1.50E-92//82aa//100%//P02461
 C-HEMBA1001077//Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds//2.00E-80//
 432bp//94%//AF119043
 C-HEMBA1001099
 C-HEMBA1001121
 35 C-HEMBA1001123
 C-HEMBA1001208
 C-HEMBA1001213
 C-HEMBA1001226
 C-HEMBA1001247
 40 C-HEMBA1001299
 C-HEMBA1001319
 C-HEMBA1001323
 C-HEMBA1001327
 C-HEMBA1001361
 45 C-HEMBA1001375
 C-HEMBA1001377
 C-HEMBA1001383
 C-HEMBA1001391
 C-HEMBA1001411
 50 C-HEMBA1001432
 C-HEMBA1001433
 C-HEMBA1001435
 C-HEMBA1001442
 C-HEMBA1001463
 55 C-HEMBA1001515
 C-HEMBA1001522
 C-HEMBA1001557
 C-HEMBA1001566

EP 1 074 617 A2

C-HEMBA1001589
 C-HEMBA1001608
 C-HEMBA1001636
 C-HEMBA1001647
 5 C-HEMBA1001651
 C-HEMBA1001658
 C-HEMBA1001675//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS9.//5.40E-09//101aa//35%//
 P54787
 C-HEMBA1001712
 10 C-HEMBA1001734//CADHERIN-11 PRECURSOR (OSTEOBLAST-CADHERIN) (OB-CADHERIN) (OSF-4).//
 1.10E-38//87aa//96%//P55288
 C-HEMBA1001745
 C-HEMBA1001750
 C-HEMBA1001784
 15 C-HEMBA1001791
 C-HEMBA1001803
 C-HEMBA1001820
 C-HEMBA1001835
 C-HEMBA1001888
 20 C-HEMBA1001912
 C-HEMBA1001915
 C-HEMBA1001918
 C-HEMBA1001940
 C-HEMBA1001942
 25 C-HEMBA1001964
 C-HEMBA1002022
 C-HEMBA1002039
 C-HEMBA1002100
 C-HEMBA1002113
 30 C-HEMBA1002119
 C-HEMBA1002139//LIM AND SH3 DOMAIN PROTEIN LASP-1 (MLN 50).//7.10E-05//51aa//49%//Q14847
 C-HEMBA1002160
 C-HEMBA1002162
 C-HEMBA1002166
 35 C-HEMBA1002185
 C-HEMBA1002204
 C-HEMBA1002328
 C-HEMBA1002337
 C-HEMBA1002348
 40 C-HEMBA1002381
 C-HEMBA1002486
 C-HEMBA1002498
 C-HEMBA1002538
 C-HEMBA1002552
 45 C-HEMBA1002555//Homo sapiens mSin3A associated polypeptide p30 mRNA, complete cds.//5.30E-51//768bp//
 68%//AF055993
 C-HEMBA1002558
 C-HEMBA1002621
 C-HEMBA1002629
 50 C-HEMBA1002645
 C-HEMBA1002659
 C-HEMBA1002661
 C-HEMBA1002666
 C-HEMBA1002678
 55 C-HEMBA1002679
 C-HEMBA1002712
 C-HEMBA1002716
 C-HEMBA1002742

EP 1 074 617 A2

C-HEMBA1002746//DNA POLYMERASE BETA (EC 2.7.7.7)//5.00E-37//268aa//34%/P06746
 C-HEMBA1002748
 C-HEMBA1002780
 C-HEMBA1002801
 5 C-HEMBA1002826
 C-HEMBA1002833
 C-HEMBA1002921
 C-HEMBA1002934
 C-HEMBA1002944
 10 C-HEMBA1002968
 C-HEMBA1003034
 C-HEMBA1003037
 C-HEMBA1003071//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN COMPLEX ACID LABILE CHAIN
 PRECURSOR (ALS)//1.30E-09//121aa//40%/P35858
 15 C-HEMBA1003078
 C-HEMBA1003083
 C-HEMBA1003086
 C-HEMBA1003098//Homo sapiens NY-REN-6 antigen mRNA, partial cds.//6.20E-273//1253bp//99%/AF155096
 C-HEMBA1003133
 20 C-HEMBA1003142
 C-HEMBA1003166
 C-HEMBA1003197
 C-HEMBA1003202
 C-HEMBA1003220
 25 C-HEMBA1003229
 C-HEMBA1003276
 C-HEMBA1003278
 C-HEMBA1003328
 C-HEMBA1003373
 30 C-HEMBA1003597
 C-HEMBA1003598
 C-HEMBA1003656
 C-HEMBA1003680//PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III (EC 3.4.11.-)//2.40E-92//
 423aa//47%/P34629
 35 C-HEMBA1003733
 C-HEMBA1003742
 C-HEMBA1003760//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN)
 (MEMBER OF PAS PROTEIN 1) (MOP1) (HIF1 ALPHA)//3.70E-124//347aa//55%/Q16665
 C-HEMBA1003803
 40 C-HEMBA1003854
 C-HEMBA1003926
 C-HEMBA1003939
 C-HEMBA1003987
 C-HEMBA1004012
 45 C-HEMBA1004015
 C-HEMBA1004193
 C-HEMBA1004225
 C-HEMBA1004241
 C-HEMBA1004267
 50 C-HEMBA1004295//Homo sapiens NY-REN-25 antigen mRNA, partial cds.//9.40E-31//381bp//65%/AF155103
 C-HEMBA1004354//CHL1 PROTEIN//9.90E-26//130aa//42%/P22516
 C-HEMBA1004356//H.sapiens MSSP-2 mRNA.//3.00E-243//573bp//98%/X77494
 C-HEMBA1004396
 C-HEMBA1004405
 55 C-HEMBA1004433
 C-HEMBA1004538
 C-HEMBA1004542
 C-HEMBA1004573

C-HEMBA1004577
 C-HEMBA1004604//Homo sapiens COP9 complex subunit 7a mRNA, complete cds //0//1612bp//99%//AF193844
 C-HEMBA1004617
 C-HEMBA1004631
 5 C-HEMBA1004705
 C-HEMBA1004733
 C-HEMBA1004748
 C-HEMBA1004778
 C-HEMBA1004803
 10 C-HEMBA1004807
 C-HEMBA1004820
 C-HEMBA1004865
 C-HEMBA1004880
 C-HEMBA1004900
 15 C-HEMBA1004909
 C-HEMBA1004960
 C-HEMBA1004978
 C-HEMBA1004980
 C-HEMBA1004983
 20 C-HEMBA1004995
 C-HEMBA1005019//Homo sapiens mRNA for KIAA0648 protein, partial cds //0//2212bp//99%//AB014548
 C-HEMBA1005029//Homo sapiens CGI-13 protein mRNA, complete cds //0//1487bp//99%//AF132947
 C-HEMBA1005035
 C-HEMBA1005039
 25 C-HEMBA1005047//RAS-RELATED PROTEIN RAB-24 (RAB-16) //3.40E-101//106aa//98%//P35290
 C-HEMBA1005050
 C-HEMBA1005062
 C-HEMBA1005066
 C-HEMBA1005075
 30 C-HEMBA1005079
 C-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds //0//2762bp//99%//
 AF080561
 C-HEMBA1005123
 C-HEMBA1005149
 35 C-HEMBA1005152
 C-HEMBA1005201//Homo sapiens CGI-07 protein mRNA, complete cds //0//1608bp//99%//AF132941
 C-HEMBA1005202//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68) //1.90E-179//361aa//95%//
 Q00004
 C-HEMBA1005223
 40 C-HEMBA1005232
 C-HEMBA1005241
 C-HEMBA1005275
 C-HEMBA1005293
 C-HEMBA1005311
 45 C-HEMBA1005338//Homo sapiens mRNA for matrilin-4, partial //3.90E-241//1095bp//99%//AJ007581
 C-HEMBA1005359//ZINC FINGER PROTEIN 137 //3.90E-85//206aa//69%//P52743
 C-HEMBA1005367//Homo sapiens melastatin 1 (MLSN1) mRNA, complete cds //9.00E-77//620bp//74%//
 AF071787
 C-HEMBA1005374
 50 C-HEMBA1005382
 C-HEMBA1005411
 C-HEMBA1005426
 C-HEMBA1005443
 C-HEMBA1005447
 55 C-HEMBA1005497
 C-HEMBA1005500
 C-HEMBA1005506
 C-HEMBA1005508

EP 1 074 617 A2

C-HEMBA1005526
 C-HEMBA1005530//Homo sapiens anaphase-promoting complex subunit 7 (APC7) mRNA, complete cds//0//1578bp//98%//AF191340
 C-HEMBA1005548//Homo sapiens MAFB/Kreisler basic region/leucine zipper transcription factor (MAFB) mRNA, complete cds//1.00E-220//1014bp//99%//AF134157
 5 C-HEMBA1005552
 C-HEMBA1005568
 C-HEMBA1005588
 C-HEMBA1005593
 10 C-HEMBA1005606
 C-HEMBA1005616
 C-HEMBA1005627
 C-HEMBA1005670
 C-HEMBA1005679
 15 C-HEMBA1005699
 C-HEMBA1005705
 C-HEMBA1005732//Human mRNA for KIAA1293 gene, complete cds//5.50E-102//317bp//98%//D14697
 C-HEMBA1005815//CALPAIN, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM ACTIVATED NEUTRAL PROTEINASE) (CANP) (MU/M-TYPE)//2.00E-36//342aa//33%//P00789
 20 C-HEMBA1005852
 C-HEMBA1005894
 C-HEMBA1005921
 C-HEMBA1006035
 C-HEMBA1006036
 25 C-HEMBA1006090
 C-HEMBA1006138
 C-HEMBA1006173
 C-HEMBA1006252
 C-HEMBA1006268//Homo sapiens HQ0024c mRNA, complete cds//3.50E-157//845bp//92%//AF073836
 30 C-HEMBA1006347//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-)//1.60E-130//332aa//62%//002193
 C-HEMBA1006359//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6)//3.50E-105//381aa//54%//P28160
 C-HEMBA1006380
 C-HEMBA1006416
 C-HEMBA1006421
 35 C-HEMBA1006424
 C-HEMBA1006426
 C-HEMBA1006446
 C-HEMBA1006485//PUROMYCIN-SENSITIVE AMINOPEPTIDASE (EC 3.4.11.-) (PSA)//1.90E-81//153aa//97%//P55786
 40 C-HEMBA1006486
 C-HEMBA1006494
 C-HEMBA1006546
 C-HEMBA1006562
 C-HEMBA1006595
 45 C-HEMBA1006597
 C-HEMBA1006631
 C-HEMBA1006639
 C-HEMBA1006652//60S RIBOSOMAL PROTEIN L7//2.40E-44//206aa//47%//P14148
 C-HEMBA1006659
 50 C-HEMBA1006665
 C-HEMBA1006676
 C-HEMBA1006695
 C-HEMBA1006709
 C-HEMBA1006758//Homo sapiens protocadherin beta 13 (PCDH-beta13) mRNA, complete cds//0//1832bp//91%//AF152492
 55 C-HEMBA1006780
 C-HEMBA1006807//Homo sapiens mRNA for SPOP//5.70E-125//1109bp//75%//AJ000644
 C-HEMBA1006824

EP 1 074 617 A2

C-HEMBA1006865
C-HEMBA1006921
C-HEMBA1006949
C-HEMBA1006976//H.sapiens mRNA for Gal-beta(1-3/1-4)GlcNAc alpha-2.3-sialyltransferase.//1.90E-80//
5 447bp//89%/X74570
C-HEMBA1007051
C-HEMBA1007052
C-HEMBA1007066
C-HEMBA1007073
10 C-HEMBA1007078
C-HEMBA1007085
C-HEMBA1007113
C-HEMBA1007121//Homo sapiens bisphosphate 3'-nucleotidase mRNA, complete cds.//1.70E-252//1118bp//
92%/AF125042
15 C-HEMBA1007129
C-HEMBA1007147
C-HEMBA1007151//Homo sapiens synphilin 1 mRNA, complete cds.//0//1900bp//99%/AF076929
C-HEMBA1007178
C-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds.//0//1212bp//98%/D86987
20 C-HEMBA1007224//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds.//0//1590bp//99%/AF196304
C-HEMBA1007243//Chinese hamster hprt mRNA, complete cds.//2.00E-58//650bp//70%/J00060
C-HEMBA1007251
C-HEMBA1007288
25 C-HEMBA1007322
C-HEMBA1007341
C-HEMBA1000050
C-HEMBA1000054
C-HEMBA1000059
30 C-HEMBA1000089
C-HEMBA1000113
C-HEMBA1000144//GUANYLATE CYCLASE ACTIVATING PROTEIN 2 (GCAP 2) (RETINAL GUANYLYL CYCLASE ACTIVATOR PROTEIN P24).//1.40E-24//71aa//77%/P51177
C-HEMBA1000173
35 C-HEMBA1000175
C-HEMBA1000272
C-HEMBA1000317//FIBULIN-1, ISOFORM D PRECURSOR.//7.10E-62//458aa//35%/P37888
C-HEMBA1000318
C-HEMBA1000336
40 C-HEMBA1000341
C-HEMBA1000343
C-HEMBA1000354
C-HEMBA1000374
C-HEMBA1000434
45 C-HEMBA1000441
C-HEMBA1000491
C-HEMBA1000493
C-HEMBA1000510
C-HEMBA1000652
50 C-HEMBA1000672
C-HEMBA1000684
C-HEMBA1000709
C-HEMBA1000726
C-HEMBA1000770
55 C-HEMBA1000827
C-HEMBA1000831
C-HEMBA1000883
C-HEMBA1000888

C-HEMBB1000893
 C-HEMBB1000913
 C-HEMBB1000996
 C-HEMBB1001004
 5 C-HEMBB1001047
 C-HEMBB1001060
 C-HEMBB1001114
 C-HEMBB1001119
 C-HEMBB1001133
 10 C-HEMBB1001142
 C-HEMBB1001177
 C-HEMBB1001208
 C-HEMBB1001209
 C-HEMBB1001249
 15 C-HEMBB1001253
 C-HEMBB1001254
 C-HEMBB1001271
 C-HEMBB1001304
 C-HEMBB1001317
 20 C-HEMBB1001348
 C-HEMBB1001394
 C-HEMBB1001410
 C-HEMBB1001424
 C-HEMBB1001426
 25 C-HEMBB1001429//Homo sapiens leucine aminopeptidase mRNA, complete cds.//0//1933bp//99%//AF061738
 C-HEMBB1001436
 C-HEMBB10014437//Rattus norvegicus pyruvate dehydrogenase phosphatase isoenzyme 1 mRNA, complete
 cds.//3.00E-130//553bp//86%//AF062740
 C-HEMBB1001449
 30 C-HEMBB1001458
 C-HEMBB1001521
 C-HEMBB1001531
 C-HEMBB1001535
 C-HEMBB1001536
 35 C-HEMBB1001564
 C-HEMBB1001565
 C-HEMBB1001585
 C-HEMBB1001588
 C-HEMBB1001603
 40 C-HEMBB1001618
 C-HEMBB1001635
 C-HEMBB1001653
 C-HEMBB1001668
 C-HEMBB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds.//0//2035bp//99%//AB014546
 45 C-HEMBB1001685
 C-HEMBB1001695
 C-HEMBB1001707
 C-HEMBB1001735
 C-HEMBB1001736//EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 (EIF3 P116) (EIF3
 50 P110).//4.60E-15//391aa//25%//P55884
 C-HEMBB1001747
 C-HEMBB1001749//TRANSCRIPTIONAL ACTIVATOR GCN5//1.70E-16//84aa//47%//Q03330
 C-HEMBB1001753
 C-HEMBB1001756
 55 C-HEMBB1001760
 C-HEMBB1001785
 C-HEMBB1001797
 C-HEMBB1001802//Human desmin mRNA, complete cds.//0//1523bp//98%//U59167

EP 1 074 617 A2

C-HEM BB1001816
 C-HEM BB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA complete cds//0//
 1514bp//99%//AF056209
 C-HEM BB1001839//GASTRULA ZINC FINGER PROTEIN XLCGF42.1 (FRAGMENT)//6.90E-11//87aa//35%//
 5 P18720
 C-HEM BB1001850
 C-HEM BB1001863
 C-HEM BB1001868
 C-HEM BB1001874
 10 C-HEM BB1001880
 C-HEM BB1001899
 C-HEM BB1001906
 C-HEM BB1001910
 C-HEM BB1001911
 15 C-HEM BB1001921
 C-HEM BB1001922
 C-HEM BB1001930
 C-HEM BB1001944
 C-HEM BB1001945
 20 C-HEM BB1001947
 C-HEM BB1001950//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.-.-.-)
 (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE)//1.60E-41//370aa//31%//P54304
 C-HEM BB1001952
 C-HEM BB1001957
 25 C-HEM BB1001962
 C-HEM BB1001983
 C-HEM BB1001990
 C-HEM BB1001996
 C-HEM BB1002002
 30 C-HEM BB1002005
 C-HEM BB1002042//CYTOCHROME P450 4C1 (EC 1.14.14.1) (CYP1VC1)//2.70E-49//139aa//55%//P29981
 C-HEM BB1002043
 C-HEM BB1002045
 C-HEM BB1002049
 35 C-HEM BB1002050
 C-HEM BB1002068
 C-HEM BB1002092
 C-HEM BB1002139
 C-HEM BB1002142
 40 C-HEM BB1002190
 C-HEM BB1002193
 C-HEM BB1002217//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//2.10E-132//399aa//
 44%//Q05481
 C-HEM BB1002218
 45 C-HEM BB1002232
 C-HEM BB1002247
 C-HEM BB1002249
 C-HEM BB1002266//NEURONAL PROTEIN//2.10E-46//121aa//76%//P41737
 C-HEM BB1002327
 50 C-HEM BB1002329
 C-HEM BB1002342//Homo sapiens mRNA for putative thioredoxin-like protein//1.10E-274//1249bp//99%//
 AJ010841
 C-HEM BB1002358
 C-HEM BB1002371
 55 C-HEM BB1002387
 C-HEM BB1002409
 C-HEM BB1002425
 C-HEM BB1002442//LIN-10 PROTEIN//9.70E-14//121aa//31%//P34692

EP 1 074 617 A2

C-HEMBB1002453
 C-HEMBB1002458
 C-HEMBB1002477//Human Grb2-associated binder-1 mRNA, complete cds.//7.70E-258//774bp//99%//U43885
 C-HEMBB1002489
 5 C-HEMBB1002510//GYP7 PROTEIN//3.10E-50//192aa//42%//P48365
 C-HEMBB1002520
 C-HEMBB1002522
 C-HEMBB1002545
 C-HEMBB1002579
 10 C-HEMBB1002582
 C-HEMBB1002596
 C-HEMBB1002603
 C-HEMBB1002610
 C-HEMBB1002613
 15 C-HEMBB1002617
 C-HEMBB1002623
 C-HEMBB1002635
 C-HEMBB1002677
 C-HEMBB1002683
 20 C-HEMBB1002699
 C-HEMBB1002702
 C-MAMMA1000009
 C-MAMMA1000043
 C-MAMMA1000045//ENV POLYPROTEIN [CONTAINS: SURFACE PROTEIN GP85; MEMBRANE PROTEIN
 25 GP37].//1.90E-07//249aa//27%//P03396
 C-MAMMA1000057
 C-MAMMA1000085//PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C (EC 6.1.1.16) (CYSTEINE--
 TRNA LIGASE) (CYSRS).//2.10E-90//427aa//39%//Q09860
 C-MAMMA1000092
 30 C-MAMMA1000103
 C-MAMMA1000117
 C-MAMMA1000129
 C-MAMMA1000133
 C-MAMMA1000155
 35 C-MAMMA1000175
 C-MAMMA1000198
 C-MAMMA1000241
 C-MAMMA1000251
 C-MAMMA1000254
 40 C-MAMMA1000287
 C-MAMMA1000307
 C-MAMMA1000331
 C-MAMMA1000339
 C-MAMMA1000340
 45 C-MAMMA1000348
 C-MAMMA1000356
 C-MAMMA1000360
 C-MAMMA1000402
 C-MAMMA1000414
 50 C-MAMMA1000431
 C-MAMMA1000444
 C-MAMMA1000458
 C-MAMMA1000500
 C-MAMMA1000522
 55 C-MAMMA1000576
 C-MAMMA1000583
 C-MAMMA1000594
 C-MAMMA1000605

EP 1 074 617 A2

C-MAMMA1000616
 C-MAMMA1000643
 C-MAMMA1000684//Homo sapiens 7-60 mRNA, complete cds //0//2402bp//99%//AF109134
 C-MAMMA1000696
 5 C-MAMMA1000707
 C-MAMMA1000714
 C-MAMMA1000720
 C-MAMMA1000744
 C-MAMMA1000761
 10 C-MAMMA1000776
 C-MAMMA1000798
 C-MAMMA1000839
 C-MAMMA1000851
 C-MAMMA1000863
 15 C-MAMMA1000867
 C-MAMMA1000876
 C-MAMMA1000880
 C-MAMMA1000883
 C-MAMMA1000921
 20 C-MAMMA1000931
 C-MAMMA1000941
 C-MAMMA1000957
 C-MAMMA1000962
 C-MAMMA1000975
 25 C-MAMMA1000987
 C-MAMMA1001003
 C-MAMMA1001030//LUTROPIN-CHORIOGONADOTROPIC HORMONE RECEPTOR (LH/CG-R) (LSH-R)
 (LUTEINIZING HOROMINE RECEPTOR) (FRAGMENT).//1.20E-26//276aa//28%//Q90674
 C-MAMMA1001038//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC
 30 2.7.1.117) (MLCK) [CONTAINS: TELOKIN]//2.60E-107//190aa//95%//Q15746
 C-MAMMA1001082
 C-MAMMA1001162
 C-MAMMA1001186
 C-MAMMA1001191
 35 C-MAMMA1001206
 C-MAMMA1001220
 C-MAMMA1001243
 C-MAMMA1001249
 C-MAMMA1001256
 40 C-MAMMA1001268
 C-MAMMA1001271
 C-MAMMA1001274
 C-MAMMA1001292
 C-MAMMA1001305//RHO-GTPASE-ACTIVATING PROTEIN 1 (GTPASE-ACTIVATING PROTEIN RHOGAP)
 45 (RHO-RELATED SMALL GTPASE PROTEIN ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN)
 (P50-RHOGAP).//2.20E-98//283aa//63%//Q07960
 C-MAMMA1001324
 C-MAMMA1001341
 C-MAMMA1001388//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG).//1.40E-165//312aa//99%//P02750
 50 C-MAMMA1001397
 C-MAMMA1001408
 C-MAMMA1001420
 C-MAMMA1001442
 C-MAMMA1001452
 55 C-MAMMA1001465
 C-MAMMA1001487
 C-MAMMA1001501//CALPAIN 1, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEU-
 TRAL PROTEINASE) (CANP) (MU-TYPE).//5.70E-55//86aa//97%//P07384

C-MAMMA1001547
 C-MAMMA1001551
 C-MAMMA1001575
 C-MAMMA1001590
 5 C-MAMMA1001600
 C-MAMMA1001606
 C-MAMMA1001627//Homo sapiens mRNA for transcription factor TBX6.//5.20E-189//871bp//99%//AJ007989
 C-MAMMA1001663
 C-MAMMA1001670
 10 C-MAMMA1001671
 C-MAMMA1001679//F-ACTIN CAPPING PROTEIN BETA SUBUNIT (CAPZ).//0.00000058//29aa//100%//P47756
 C-MAMMA1001711
 C-MAMMA1001735//TUBULIN BETA-5 CHAIN (BETA-TUBULIN CLASS-V).//5.90E-240//445aa//97%//P09653
 C-MAMMA1001744
 15 C-MAMMA1001745
 C-MAMMA1001751//Homo sapiens tandem pore domain potassium channel TWIK-2 (KCNK6) mRNA, complete
 cds.//0//2332bp//99%//AF117708
 C-MAMMA1001783
 C-MAMMA1001788
 20 C-MAMMA1001806
 C-MAMMA1001812
 C-MAMMA1001815
 C-MAMMA1001817
 C-MAMMA1001818
 25 C-MAMMA1001820//Rattus norvegicus mRNA for PAG608 gene.//1.30E-198//1157bp//80%//Y13148
 C-MAMMA1001824
 C-MAMMA1001851
 C-MAMMA1001854
 C-MAMMA1001864
 30 C-MAMMA1001878
 C-MAMMA1001890
 C-MAMMA1001907
 C-MAMMA1001908
 C-MAMMA1001931
 35 C-MAMMA1001969
 C-MAMMA1002011
 C-MAMMA1002032
 C-MAMMA1002041
 C-MAMMA1002047
 40 C-MAMMA1002056
 C-MAMMA1002058
 C-MAMMA1002078
 C-MAMMA1002082
 C-MAMMA1002084
 45 C-MAMMA1002093
 C-MAMMA1002094
 C-MAMMA1002118
 C-MAMMA1002125
 C-MAMMA1002132
 50 C-MAMMA1002140
 C-MAMMA1002143//Homo sapiens Cdc42 effector protein 4 mRNA, complete cds//1.70E-252//1170bp//99%//
 AF099664
 C-MAMMA1002145
 C-MAMMA1002198//THIOREDOXIN PEROXIDASE 1 (THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE
 55 1) (THIOL-SPECIFIC ANTIOXIDANT PROTEIN) (TSA) (PRP) (NATURAL KILLER CELL ENHANCING FACTOR
 B) (NKEF-B).//5.20E-61//60aa//90%//P32119
 C-MAMMA1002230
 C-MAMMA1002250

C-MAMMA1002282
 C-MAMMA1002293
 C-MAMMA1002298
 C-MAMMA1002299
 5 C-MAMMA1002308
 C-MAMMA1002310
 C-MAMMA1002311
 C-MAMMA1002322
 C-MAMMA1002339
 10 C-MAMMA1002352
 C-MAMMA1002359
 C-MAMMA1002360
 C-MAMMA1002392
 C-MAMMA1002411
 15 C-MAMMA1002413
 C-MAMMA1002417
 C-MAMMA1002428//LYSOSOME MEMBRANE PROTEIN II (LIMP II) (85 KD LYSOSOMAL MEMBRANE
 SIALOGLYCOPROTEIN) (LGP85) (CD36 ANTIGEN-LIKE 2)//1.10E-24//96aa//68%//Q14108
 C-MAMMA1002434
 20 C-MAMMA1002446
 C-MAMMA1002454
 C-MAMMA1002461
 C-MAMMA1002475
 C-MAMMA1002556
 25 C-MAMMA1002566
 C-MAMMA1002612
 C-MAMMA1002622//VILLIN//7.20E-35//53aa//64%//P02640
 C-MAMMA1002637//KINESIN LIGHT CHAIN (KLC)//1.30E-198//550aa//70%//Q07866
 C-MAMMA1002650//Mus musculus ODA-8S protein mRNA, complete cds//5.40E-57//480bp//68%//AF194030
 30 C-MAMMA1002699//Rattus norvegicus EH domain binding protein Epsin mRNA, complete cds//4.3e-317//
 1942bp//85%//AF018261
 C-MAMMA1002727
 C-MAMMA1002748
 C-MAMMA1002758
 35 C-MAMMA1002780
 C-MAMMA1002820
 C-MAMMA1002833
 C-MAMMA1002843
 C-MAMMA1002895
 40 C-MAMMA1002937//ZINC FINGER PROTEIN 135//8.30E-99//393aa//43%//P52742
 C-MAMMA1003004
 C-MAMMA1003047//Homo sapiens protein inhibitor of activated STAT protein PIASy mRNA, complete cds//0//
 1533bp//99%//AF077952
 C-NT2RM1000001//D.melanogaster sap47-2 mRNA//1.50E-10//417bp//62%//X80110
 45 C-NT2RM1000018//Human mRNA for KIAA0066 gene, partial cds//0//3376bp//99%//D31886
 C-NT2RM1000037//Homo sapiens mRNA for KIAA0690 protein, partial cds//0//3551bp//99%//AB014590
 C-NT2RM1000086//Homo sapiens mRNA for KIAA0661 protein, complete cds//0//3035bp//96%//AB014561
 C-NT2RM1000421//RIBONUCLEASE INHIBITOR//4.40E-21//372aa//30%//P10775 C-NT2RM1000499
 C-NT2RM1001059//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB4//3.60E-11//180aa//28%//
 50 Q99383
 C-NT2RM1001092//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//3.60E-115//332aa//
 52%//Q05481
 C-NT2RM2001592//Homo sapiens mRNA for KIAA1067 protein, partial cds//0//3471bp//99%//AB028990
 C-NT2RM2001635//Homo sapiens mRNA for KIAA0618 protein, complete cds//0//1632bp//99%//AB014518
 55 C-NT2RM2001637
 C-NT2RM2001641
 C-NT2RM2001670//ZINC FINGER PROTEIN 29 (ZFP-29)//6.50E-104//407aa//43%//Q07230
 C-NT2RM2001699

C-NT2RM2001706
 C-NT2RM2001718
 C-NT2RM2001727//Homo sapiens mRNA for KIAA0462 protein, partial cds.//0//2892bp//99%//AB007931
 C-NT2RM2001805
 5 C-NT2RM4000086
 C-NT2RM4000215//MAK16 PROTEIN.//1.30E-68//295aa//49%//P10962
 C-NT2RM4000414
 C-NT2RM4000590//RING CANAL PROTEIN (KELCH PROTEIN).//1.00E-59//595aa//28%//Q04652
 C-NT2RM4000634
 10 C-NT2RM4000657//Homo sapiens mRNA for KIAA1069 protein, partial cds.//0//1412bp//100%//AB028992
 C-NT2RM4000783
 C-NT2RM4000857//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG).//6.70E-22//250aa//29%//P02750
 C-NT2RM4000971
 C-NT2RM4000996//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//8.00E-211//738aa//
 15 50%//Q05481
 C-NT2RM4001092//ZINC FINGER PROTEIN GLO3.//3.10E-24//265aa//33%//P38682
 C-NT2RM4001178//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.//1.10E-48//218aa//43%//Q03532
 C-NT2RM4001569
 C-NT2RM4001819//Human p58/GTA (galactosyltransferase associated protein kinase) mRNA, complete cds.//
 20 8.10E-300//1395bp//98%//M37712
 C-NT2RM4001905
 C-NT2RM4001938//Homo sapiens mRNA for KIAA0898 protein, partial cds.//0//2234bp//99%//AB020705
 C-NT2RM4002062//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS).//
 1.90E-31//80aa//52%//P36419
 25 C-NT2RM4002073//Mus musculus fatty acid transport protein 3 mRNA, partial cds.//9.30E-293//1751bp//83%//
 AF072758
 C-NT2RM4002093//Homo sapiens neural polypyrimidine tract binding protein (PTB) mRNA, complete cds.//0//
 2550bp//99%//AF176085
 C-NT2RM4002109//Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds.//0//2572bp//99%//
 30 AF071592
 C-NT2RM4002146//Homo sapiens MAGOH mRNA, complete cds.//6.90E-70//454bp//85%//AF035940
 C-NT2RM4002194//Mus musculus semaphorin VIa mRNA, complete cds.//5.20E-297//1753bp//87%//AF030430
 C-NT2RM4002390
 C-NT2RM4002398
 35 C-NT2RM4002420
 C-NT2RM4002534
 C-NT2RM4002565//Mus musculus Sec8 mRNA, complete cds.//0//1915bp//87%//AF022962
 C-NT2RM4002571//H.sapiens mRNA for UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T2).//
 4.60E-78//921bp//69%//X85019
 40 C-NT2RP1000358//Homo sapiens mRNA; cDNA DKFZp564C186 (from clone DKFZp564C186).//0//1938bp//
 88%//AL050019
 C-NT2RP1000522//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-
 OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-
 ZYME 1).//8.20E-83//345aa//47%//Q61068
 45 C-NT2RP1000609//Homo sapiens mRNA; cDNA DKFZp586C201 (from clone DKFZp586C201).//0//2165bp//
 99%//AL050118
 C-NT2RP1000677//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER (ORGANIC ANION TRANS-
 PORTING POLYPEPTIDE).//1.20E-78//483aa//31%//P46721
 C-NT2RP1000701//Homo sapiens phospholipase A2 activating protein (PLA2P) mRNA, complete cds.//0//
 50 1687bp//99%//AF145020
 C-NT2RP1000834//Homo sapiens alpha-methylacyl-CoA racemase mRNA, complete cds.//1.80E-176//829bp//
 98%//AF047020
 C-NT2RP1000860//Homo sapiens KL04P mRNA, complete cds.//0//1555bp//99%//AF064094
 C-NT2RP1000916
 55 C-NT2RP1000944
 C-NT2RP1001079//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//0//2085bp//99%//
 U82267
 C-NT2RP1001080//PROBABLE ATP-DEPENDENT RNA HELICASE DBP9.//2.30E-116//319aa//46%//Q06218

C-NT2RP1001113
 C-NT2RP1001173//Homo sapiens mRNA; cDNA DKFZp566D1146 (from clone DKFZp566D1146)//0//2333bp//
 99%//AL080222
 C-NT2RP1001177//Rattus norvegicus histone macroH2A1.2 mRNA, complete cds.//5.20E-108//1278bp//69%//
 5 U79139
 C-NT2RP1001185//Human isovaleryl-coA dehydrogenase (IVD) mRNA, complete cds.//1.90E-158//729bp//99%//
 M34192
 C-NT2RP1001247//Homo sapiens TGF-beta type secreted signaling protein LEFTYA mRNA, complete cds.//0//
 2006bp//100%//AF081513
 10 C-NT2RP1001311
 C-NT2RP1001313//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//7.50E-121//1394bp//69%//
 AF126799
 C-NT2RP2000001//Homo sapiens mRNA for KIAA1111 protein, partial cds.//0//3188bp//99%//AB029034
 C-NT2RP2000027
 15 C-NT2RP2000183//DIHYDROPYRIMIDINASE RELATED PROTEIN-2 (DRP-2) (NEURAL SPECIFIC PROTEIN
 NSP60)//3.30E-16//114aa//44%//002675
 C-NT2RP2000198
 C-NT2RP2000523//APOLIPOPROTEIN B MRNA EDITING PROTEIN (HEPR) (APOBEC-1)//6.00E-16//124aa//
 34%//P41238
 20 C-NT2RP2000551
 C-NT2RP2000644
 C-NT2RP2000660//SAP1 PROTEIN.//5.20E-68//474aa//32%//P39955
 C-NT2RP2000678
 C-NT2RP2000715
 25 C-NT2RP2000842//Human lysophosphatidic acid receptor homolog mRNA, complete cds.//0//1562bp//99%//
 U80811
 C-NT2RP2000970
 C-NT2RP2001347
 C-NT2RP2001460//TRICHOHYALIN.//1.00E-14//521aa//24%//P37709
 30 C-NT2RP2001613//MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM40 (MOM38 PROTEIN) (TRANSLO-
 CASE OF OUTER MEMBRANE 40 KD SUBUNITD.//6.10E-12//184aa//31%//P24391
 C-NT2RP2001634//Homo sapiens alpha-catenin-like protein mRNA, complete cds.//0//2445bp//99%//U97067
 C-NT2RP2001660//Homo sapiens putative 13 S Golgi transport complex 90kD subunit brain-specific isoform mR-
 NA, complete cds.//0//1287bp//99%//AF058718
 35 C-NT2RP2001677
 C-NT2RP2001678
 C-NT2RP2001720
 C-NT2RP2001740//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-
 OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-
 40 ZYME 1)//7.90E-52//220aa//44%//Q61068
 C-NT2RP2001756//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//1.70E-49//411aa//32%//
 P51523
 C-NT2RP2001839//SCY1 PROTEIN.//5.40E-32//621aa//24%//P53009
 C-NT2RP2001861
 45 C-NT2RP2001869//ZINC FINGER PROTEIN 191.//7.10E-26//126aa//52%//014754
 C-NT2RP2001876//ALLOGRAFT INFLAMMATORY FACTOR-1 (AIF-1) (IONIZED CALCIUM BINDING ADAPTER
 MOLECULE 1)//1.20E-45//141aa//65%//P55008
 C-NT2RP2001898//Human inositol polyphosphate 5-phosphatase (5ptase) mRNA, 3' end.//0//2518bp//98%//
 M74161
 50 C-NT2RP2001936
 C-NT2RP2001943
 C-NT2RP2001946
 C-NT2RP2002032
 C-NT2RP2002033
 55 C-NT2RP2002041
 C-NT2RP2002047
 C-NT2RP2002066//Rattus norvegicus transmembrane receptor Unc5H2 mRNA, complete cds.//1.60E-226//
 1301bp//88%//U87306

C-NT2RP2002124//Homo sapiens mRNA for KIAA1097 protein, partial cds.//0//1772bp//95%//AB029020
 C-NT2RP2002172
 C-NT2RP2002219
 C-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds.//0//1528bp//98%//AF005418
 5 C-NT2RP2002316
 C-NT2RP2002373
 C-NT2RP2002439
 C-NT2RP2002475
 C-NT2RP2002546
 10 C-NT2RP2002591//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.20E-155//562aa//50%//
 P51523
 C-NT2RP2002606//Rattus norvegicus Rabin3 mRNA, complete cds.//9.20E-147//874bp//87%//J19181
 C-NT2RP2002643
 C-NT2RP2002727//Rattus norvegicus tulip 2 mRNA, complete cds.//3.50E-74//727bp//72%//AF041107
 15 C-NT2RP2002736
 C-NT2RP2002740
 C-NT2RP2002741//Homo sapiens mRNA for Neuroblastoma, complete cds.//9.90E-54//964bp//64%//D89016
 C-NT2RP2002752
 C-NT2RP2002753
 20 C-NT2RP2002857
 C-NT2RP2003000//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PRO-
 TEIN).//1.90E-11//132aa//38%//Q13829
 C-NT2RP2003073
 C-NT2RP2003164//Homo sapiens mRNA for protein kinase.//0//2313bp//99%//AJ132545
 25 C-NT2RP2003206
 C-NT2RP2003228//H.sapiens P1-Cdc21 mRNA.//0//2870bp//98%//X74794
 C-NT2RP2003230//Rattus norvegicus endo-alpha-D-mannosidase (Enman) mRNA, complete cds.//2.60E-186//
 1551bp//77%//AF023657
 C-NT2RP2003237
 30 C-NT2RP2003272//Homo sapiens ubiquilin mRNA, complete cds.//0//1789bp//99%//AF176069
 C-NT2RP2003280
 C-NT2RP2003293
 C-NT2RP2003394//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//5.50E-13//302aa//26%//
 P25386
 35 C-NT2RP2003401//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-
 OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-
 ZYME 1).//9.60E-78//346aa//43%//061068
 C-NT2RP2003456
 C-NT2RP2003517//Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds.//0//1746bp//
 40 95%//M12783
 C-NT2RP2003522//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0//1764bp//
 99%//AF125158
 C-NT2RP2003559
 C-NT2RP2003564//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).//
 45 2.10E-59//270aa//46%//P19474
 C-NT2RP2003581
 C-NT2RP2003643//Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.//9.40E-243//1624bp//
 82%//AJ006215
 C-NT2RP2003702//Homo sapiens 17 beta-hydroxysteroid dehydrogenase type VII (HSD17B7) mRNA, complete
 50 cds.//2.1e-313//978bp//99%//AF098786
 C-NT2RP2003704//Homo sapiens mRNA for ATP-dependent metalloprotease YME1L.//1.80E-72//350bp//100%//
 AJ132637
 C-NT2RP2003727
 C-NT2RP2003751
 55 C-NT2RP2003781//HYPOTHETICAL 36.7 KD PROTEIN AH6.2 IN CHROMOSOME II.//5.50E-63//253aa//50%//
 Q09201
 C-NT2RP2003825
 C-NT2RP2003871

C-NT2RP2003885
 C-NT2RP2003912//SERINE/THREONINE-PROTEIN KINASE NEK1 (EC 2.7.1.-) (NIMA-RELATED PROTEIN KINASE 1)//6.10E-183//387aa//87%//P51954
 C-NT2RP2003976//Homo sapiens mRNA for KIAA0447 protein, complete cds.//0//2866bp//98%//AB007916
 5 C-NT2RP2003988
 C-NT2RP2004013//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3)//2.30E-53//141aa//78%//P20290
 C-NT2RP2004098//ADENYLATE CYCLASE (EC 4.6.1.1)(ATP PYROPHOSPHATE-LYASE)(ADENYLYL CYCLASE)//5.40E-30//319aa//31%//Q01513
 10 C-NT2RP2004142
 C-NT2RP2004170//Homo sapiens mRNA for transducin (beta) like 1 protein.//1.10E-138//1236bp//74%//Y12781
 C-NT2RP2004194//Rattus norvegicus Golgi SNARE GS15 mRNA, complete cds.//3.80E-52//397bp//82%//AF003998
 C-NT2RP2004207
 15 C-NT2RP2004226
 C-NT2RP2004232//Homo sapiens EPK2 mRNA for serine/threonine kinase, complete cds.//0//2272bp//99%//AB015982
 C-NT2RP2004242//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)//9.90E-12//427aa//26%//P19246
 20 C-NT2RP2004270//PROTEIN PTM1 PRECURSOR//1.40E-16//334aa//24%//P32857
 C-NT2RP2004321
 C-NT2RP2004339
 C-NT2RP2004347
 C-NT2RP2004396//Homo sapiens mRNA for activator of S phase Kinase, complete cds.//5.40E-243//1108bp//99%//AB028069
 25 C-NT2RP2004399
 C-NT2RP2004400
 C-NT2RP2004412
 C-NT2RP2004425//Mus musculus axotrophin mRNA, complete cds.//0//2321bp//86%//AF155739
 30 C-NT2RP2004490
 C-NT2RP2004523
 C-NT2RP2004538//Mus musculus kinesin-like protein KIF1B (Kif1b) mRNA, complete cds.//0//1387bp//86%//AF090190
 C-NT2RP2004580
 35 C-NT2RP2004587//Homo sapiens mRNA for KIAA0888 protein, partial cds.//0//2886bp//100%//AB020695
 C-NT2RP2004594
 C-NT2RP2004681
 C-NT2RP2004709
 C-NT2RP2004710//Homo sapiens mRNA for KIAA1014 protein, partial cds.//0//2587bp//100%//AB023231
 40 C-NT2RP2004732//Homo sapiens mRNA for KIAA0884 protein, partial cds.//0//1774bp//99%//AB020691
 C-NT2RP2004767
 C-NT2RP2004775
 C-NT2RP2004961//Rattus norvegicus KRAB/zinc finger suppressor protein 1 (KS1) mRNA, complete cds.//1.00E-228//1666bp//75%//U56732
 45 C-NT2RP2004962
 C-NT2RP2004982
 C-NT2RP2005003//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))//1.80E-99//376aa//43%//P19474
 C-NT2RP2005018
 50 C-NT2RP2005020
 C-NT2RP2005022
 C-NT2RP2005031
 C-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds.//0//4069bp//99%//AB014564
 C-NT2RP2005139//2-5A-DEPENDENT RIBONUCLEASE (EC 3.1.26.-) (2-5A-DEPENDENT RNAASE) (RNASE L) (RIBONUCLEASE 4) (FRAGMENT)//0.000000022//139aa//35%//Q05921
 55 C-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein.//0//2769bp//98%//AJ007509
 C-NT2RP2005254
 C-NT2RP2005325//Homo sapiens LIM-homeodomain protein HLX2 (LHX2) mRNA, complete cds.//0//1643bp//

99%//AF124735
 C-NT2RP2005336//TRICHOHYALIN//5.40E-10//545aa//22%//P37709
 C-NT2RP2005344//PROBABLE CALCIUM-TRANSPORTING ATPASE 5 (EC 3.6.1.38)//2.10E-124//636aa//
 38%//P32660
 5 C-NT2RP2005360
 C-NT2RP2005407//OXYSTEROL-BINDING PROTEIN//5.30E-63//410aa//40%//P22059
 C-NT2RP2005454
 C-NT2RP2005457//Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete
 cds//1.20E-130//608bp//99%//AF070652
 10 C-NT2RP2005476//Human p190-B (p190-B) mRNA, complete cds//3.40E-108//668bp//88%//U17032
 C-NT2RP2005491//PARAMYOSIN (PMY) (ANTIGEN B)//0.00000015//279aa//26%//P35418
 C-NT2RP2005496//ZINC FINGER PROTEIN 135//2.90E-146//398aa//59%//P52742
 C-NT2RP2005501
 C-NT2RP2005531//PROTEIN 4.1 (BAND 4.1) (P4.1)//5.50E-70//393aa//39%//P11171
 15 C-NT2RP2005600//Homo sapiens mRNA for KIAA1020 protein, partial cds//0//2554bp//99%//AB028943
 C-NT2RP2005645
 C-NT2RP2005694//X-LINKED RETINITIS PIGMENTOSA GTPASE REGULATOR//2.60E-10//175aa//27%//
 Q92834
 C-NT2RP2005701//ZINC-FINGER PROTEIN RFP (RET FINGER PROTEIN)//3.00E-63//323aa//39%//Q62158
 20 C-NT2RP2005741
 C-NT2RP2005806
 C-NT2RP2005815
 C-NT2RP2005841
 C-NT2RP2005882
 25 C-NT2RP2005942//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-
 FERASE)//1.50E-67//388aa//44%//P25500
 C-NT2RP2006103
 C-NT2RP2006166
 C-NT2RP2006258
 30 C-NT2RP2006261
 C-NT2RP2006321
 C-NT2RP2006454
 C-NT2RP2006598//Homo sapiens retinoid x receptor interacting protein mRNA, complete cds//3.10E-295//
 1193bp//99%//AF113538
 35 C-NT2RP3000046//MITOCHONDRIAL GTPASE MSS1 PRECURSOR//4.60E-78//421aa//37%//P32559
 C-NT2RP3000047//NPL4 PROTEIN//1.10E-85//526aa//36%//P33755
 C-NT2RP3000418
 C-NT2RP3000439//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION//2.90E-
 1511319aa//26%//P37908
 40 C-NT2RP3000487
 C-NT2RP3000512//Human HOX2G mRNA from the Hox2 locus//0//1934bp//99%//X16667
 C-NT2RP3000526
 C-NT2RP3000603//NEUROGENIC DIFFERENTIATION FACTOR 1//3.70E-11//90aa//42%//Q13562
 C-NT2RP3000605//Mus musculus mRNA for wizL, complete cds//0//2232bp//82%//AB012265
 45 C-NT2RP3000628
 C-NT2RP3000739//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN)//1.40E-24//
 155aa//37%//Q10149
 C-NT2RP3000845//PUTATIVE SERINE/THREONINE-PROTEIN KINASE P78 (EC 2.7.1.)//8.30E-108//331aa//
 50%//P27448
 50 C-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A//1.90E-46//73aa//98%//P39027
 C-NT2RP3001057//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//9.00E-201//584aa//
 54%//Q05481
 C-NT2RP3001113//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1//2.90E-11//631aa//23%//
 P25386
 55 C-NT2RP3001245//Homo sapiens mRNA for KIAA0923 protein, complete cds//0//2659bp//99%//AB023140
 C-NT2RP3001253//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110)//1.70E-10//540aa//
 23%//P32380
 C-NT2RP3001356

C-NT2RP3001383
 C-NT2RP3001399//SSU72 PROTEIN.//1.30E-16//84aa//52%//P53538
 C-NT2RP3001554//MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1]//1.40E-76//
 388aa//32%//P46821
 5 C-NT2RP3001712//Homo sapiens HP1-BP74 protein mRNA, complete cds.//0//1788bp//99%//AF113534
 C-NT2RP3001724//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds.//1.10E-
 240//902bp//99%//AF054177
 C-NT2RP3001727//Rattus norvegicus implantation-associated protein (IAG2) mRNA, partial cds.//6.90E-132//
 774bp//88%//AF008554
 10 C-NT2RP3001730//SEPTIN 2 HOMOLOG (FRAGMENT).//7.10E-132//294aa//84%//Q14141
 C-NT2RP3001739
 C-NT2RP3001777
 C-NT2RP3001857//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//1.20E-14//242aa//24%//Q00808
 C-NT2RP3001943//Homo sapiens mRNA for KIAA0675 protein, complete cds.//0//3747bp//99%//AB014575
 15 C-NT2RP3001944
 C-NT2RP3002033
 C-NT2RP3002054
 C-NT2RP3002063//Homo sapiens mRNA for KIAA1033 protein, partial cds.//0//2830bp//99%//AB028956
 C-NT2RP3002099
 20 C-NT2RP3002102
 C-NT2RP3002147
 C-NT2RP3002163
 C-NT2RP3002173
 C-NT2RP3002255
 25 C-NT2RP3002303//PROBABLE UNDECAPRENYL PYROPHOSPHATE SYNTHETASE (EC 2.5.1.31) (UPP SYN-
 THETASE) (DI-TRANS-POLY-CIS-DECAPRENYLCISTRANSFERASE).//8.60E-49//243aa//43%//Q58767
 C-NT2RP3002343
 C-NT2RP3002351//Human mRNA for NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase
 (EC 1.5.1.15).//4.20E-70//590bp//76%//X16396
 30 C-NT2RP3002399//DNA REPLICATION LICENSING FACTOR MCM4 (CDC21 HOMOLOG)(P1-CDC21).//8.60E-
 79//416aa//34%//P33991
 C-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds.//0//3811bp//99%//AB014578
 C-NT2RP3002545//Homo sapiens mRNA; cDNA DKFZp586G0518 (from clone DKFZp586G0518).//0//2499bp//
 99%//AL050092
 35 C-NT2RP3002549//HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III.//5.80E-40//161aa//
 52%//Q10010
 C-NT2RP3002602//PROBABLE PROTEIN DISULFIDE ISOMERASE ER-60 PRECURSOR (EC 5.3.4.1) (ERP60)
 (58 KD MICROSOMAL PROTEIN) (P58) (HIP-70) (Q-2).//2.90E-19//173aa//28%//P11598
 C-NT2RP3002603
 40 C-NT2RP3002628//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//2.50E-26//
 90aa//42%//P38660
 C-NT2RP3002659
 C-NT2RP3002660
 C-NT2RP3002682//Homo sapiens CGI-145 protein mRNA, complete cds.//0//1596bp//98%//AF151903
 45 C-NT2RP3002687
 C-NT2RP3002688//Mouse mRNA for kinesin-like protein (Kifib), complete cds.//1.10E-93//1205bp//69%//D17577
 C-NT2RP3002701
 C-NT2RP3002785//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN).//2.50E-55//187aa//39%//Q24371
 C-NT2RP3002869//Mus musculus semaphorin VIa mRNA, complete cds.//2.50E-232//1282bp//85%//AF030430
 50 C-NT2RP3002876
 C-NT2RP3002877
 C-NT2RP3002909//Homo sapiens mRNA for KIAA0771 protein, partial cds.//0//2085bp//94%//AB018314
 C-NT2RP3002969//Homo sapiens mRNA for Acyl-CoA synthetase 3, complete cds.//0//2722bp//99%//D89053
 C-NT2RP3002972//Halocynthia roretzi mRNA for HrPET-1, complete cds.//3.90E-52//899bp//64%//AB029333
 55 C-NT2RP3003032//Homo sapiens okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP-19) mR-
 NA, complete cds.//0//2656bp//99%//AF084555
 C-NT2RP3003061//ANKYRIN.//1.40E-20//200aa//37%//Q02357
 C-NT2RP3003071//NEUROGENIC PROTEIN BIG BRAIN.//1.10E-05//258aa//24%//P23645

C-NT2RP3003078
 C-NT2RP3003139
 C-NT2RP3003145//Mus musculus metallocarboxypeptidase CPX-1 mRNA, complete cds.//0//2251bp//81%//
 AF07773 8
 5 C-NT2RP3003150
 C-NT2RP3003197//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME I.//5.70E-09//169aa//
 31%//Q09674
 C-NT2RP3003203//Rattus norvegicus golgi stacking protein homolog GRASP55 mRNA, complete cds.//2.00E-
 210//1851bp//76%//AF110267
 10 C-NT2RP3003210
 C-NT2RP3003212//Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds.//4.30E-
 187//1750bp//75%//U20286
 C-NT2RP3003230//Homo sapiens mRNA for hCRNN4, complete cds.//0//2350bp//99%//AB030656
 C-NT2RP3003242//Homo sapiens stanniocalcin-related protein mRNA, complete cds.//0//2366bp//99%//
 15 AF098462
 C-NT2RP3003251//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A))//
 4.20E-86//366aa//48%//P19474
 C-NT2RP3003301//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-).//1.10E-170//
 585aa//54%//O64948
 20 C-NT2RP3003311
 C-NT2RP3003409//Human DHHC-domain-containing cysteine-rich protein mRNA, complete cds.//9.20E-45//
 782bp//65%//U90653
 C-NT2RP3003427
 C-NT2RP3003543
 25 C-NT2RP3003552
 C-NT2RP3003555//HYPOTHETICAL 32.6 KD PROTEIN IN MET30-PIG2 INTERGENIC REGION.//4.50E-30//
 191aa//40%//P40529
 C-NT2RP3003564
 C-NT2RP3003589//Homo sapiens ras-related GTP-binding protein mRNA, complete cds.//0//3131bp//94%//
 30 AF106681
 C-NT2RP3003621
 C-NT2RP3003625
 C-NT2RP3003656
 C-NT2RP3003659//HES1 PROTEIN.//5.90E-22//229aa//27%//P35843
 35 C-NT2RP3003686
 C-NT2RP3003701//F-SPONDIN PRECURSOR.//1.80E-17//324aa//26%//P35446
 C-NT2RP3003716//SLIT PROTEIN PRECURSOR.//6.60E-10//150aa//34%//P24014
 C-NT2RP3003726//Homo sapiens spermatogenesis associated PD1 mRNA, complete cds.//0//2568bp//99%//
 U28164
 40 C-NT2RP3003795
 C-NT2RP3003805
 C-NT2RP3003809//SAV PROTEIN.//1.10E-131//576aa//41%//Q07590
 C-NT2RP3003819
 C-NT2RP3003825//PHOSPHATIDYLCHOLINE TRANSFER PROTEIN (PC-TP).//9.60E-19//174aa//31%//
 45 P02720
 C-NT2RP3003831//Homo sapiens ENDOGL-1 (alias ENGL-a) mRNA for endonuclease G-like protein-1, complete
 cds.//2.2e-316//1436bp//99%//AB020523
 C-NT2RP3003833
 C-NT2RP3003842
 50 C-NT2RP3003846//Homo sapiens mRNA for putative phospholipase, complete cds.//4.80E-277//1255bp//99%//
 AB019435
 C-NT2RP3003870//Homo sapiens mRNA for KIAA0800 protein, complete cds.//0//2557bp//99%//AB018343
 C-NT2RP3003876
 C-NT2RP3003914//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-)
 55 (DUGT).//2.20E-20//76aa//64%//Q09332
 C-NT2RP3003918//Homo sapiens VAMP-associated protein B (VAP-B) mRNA, complete cds.//0//2191bp//99%//
 AF086628
 C-NT2RP3003989

C-NT2RP3004016//TRANSCRIPTION INTERMEDIARY FACTOR 1-BETA (NUCLEAR COREPRESSOR KAP-1)
 (KRAB-ASSOCIATED PROTEIN 1)//1.50E-17//226aa//26%//Q13263
 C-NT2RP3004070
 C-NT2RP3004145
 5 C-NT2RP3004215
 C-NT2RP3004253
 C-NT2RP3004282//Homo sapiens torsinA (DYT1) mRNA, complete cds.//5.10E-24//597bp//61 %//AF007871
 C-NT2RP3004348//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//1.10E-185//1130bp//82%//
 X67877
 10 C-NT2RP3004490//Homo sapiens PAC clone 166H1 from 12q, complete sequence.//0//1778bp//99%//AC003982
 C-NT2RP3004503
 C-NT2RP3004566//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.20E-95//434aa//43%//
 P51523
 15 C-NT2RP3004670//Homo sapiens GN6ST mRNA for N-acetylglucosamine-6-O-sulfotransferase (GlcNAc6ST),
 complete cds.//0//2393bp//99%//AB014679
 C-NT2RP4000023
 C-NT2RP4000218
 C-NT2RP4000424
 C-NT2RP4001213//ZINC FINGER PROTEIN 184 (FRAGMENT).//5.70E-141//511aa//43%//Q99676
 20 C-NT2RP4001447
 C-NT2RP4001841
 C-NT2RP4001849//SH3-BINDING PROTEIN 3BP-1.//1.40E-85//489aa//43%//P55194
 C-NT2RP4002047//GTP-BINDING PROTEIN LEPA.//1.50E-168//601aa//52%//067618
 C-NT2RP4002075
 25 C-NT2RP4002083
 C-OVARC1000001//Homo sapiens mRNA for actin binding protein ABP620, complete cds.//7.00E-217//683bp//
 99%//AB029290
 C-OVARC1000008
 C-OVARC1000017
 30 C-OVARC1000058
 C-OVARC1000068
 C-OVARC1000071//Homo sapiens NTF2-related export protein NXT1 (NXT1) mRNA, complete cds.//1.50E-47//
 727bp//67%//AF156957
 C-OVARC1000085//Human mRNA for proteasome subunit HC5.//1.00E-151//699bp//100%//D00761
 35 C-OVARC1000109
 C-OVARC1000114
 C-OVARC1000145
 C-OVARC1000240
 C-OVARC1000302
 40 C-OVARC1000408
 C-OVARC1000414
 C-OVARC1000440
 C-OVARC1000442
 C-OVARC1000496
 45 C-OVARC1000556//RIBOSOMAL PROTEIN S6 KINASE II ALPHA 2 (EC 2.7.1.-) (S6KII-ALPHA 2) (P90-RSK 2)
 (RIBOSOMAL S6 KINASE 3) (RSK3) (PP90RSK3)//3.30E-67//132aa//95%//015349
 C-OVARC1000557
 C-OVARC1000578
 C-OVARC1000622
 50 C-OVARC1000679//Homo sapiens myosin-IXa mRNA, complete cds.//0//808bp//99%//AF117888
 C-OVARC1000681
 C-OVARC1000700
 C-OVARC1000724
 C-OVARC1000751//PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16) (PP2C)//5.60E-11//
 74aa//37%//P49596
 55 C-OVARC1000800//MITOCHONDRIAL STRESS-70 PROTEIN PRECURSOR (75 KD GLUCOSE REGULATED
 PROTEIN) (GRP 75)//3.90E-46//78aa//98%//035501
 C-OVARC1000885//OXIDOREDUCTASE UCPA (EC 1.-.-.-)//1.30E-32//170aa//34%//P37440

EP 1 074 617 A2

C-OVARC1000936//COAT PROTEIN GP37 (ENV PROTEIN GP37)//0.0000054//135aa//28%/P03398
 C-OVARC1000937//S-PHASE ENTRY CYCLIN 6//4.90E-10//61aaaa//49%/P32943
 C-OVARC1000960
 C-OVARC1000971
 5 C-OVARC1000999//ANKYRIN HOMOLOG PRECURSOR//4.10E-11//189aa//32%/Q06527
 C-OVARC1001000
 C-OVARC1001029
 C-OVARC1001040
 C-OVARC1001051//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN
 10 EPS15) (AF-1P PROTEIN)//1.10E-08//216aa//23%/P42566
 C-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds//5.1e-310//1588bp//93%/AF051782
 C-OVARC1001118
 C-OVARC1001129
 15 C-OVARC1001169
 C-OVARC1001240
 C-OVARC1001261
 C-OVARC1001339
 C-OVARC1001342//40S RIBOSOMAL PROTEIN S8//1.40E-110//207aa//99%/P09058
 20 C-OVARC1001357
 C-OVARC1001442
 C-OVARC1001611
 C-OVARC1001813
 C-OVARC1002112//Homo sapiens histone macroH2A1.2 mRNA, complete cds//0//1760bp//99%/AF054174
 25 C-OVARC1002143
 C-OVARC1002165//3-OXO-5-ALPHA-STEROID 4-DEHYDROGENASE 2 (EC 1.3.99.5) (STEROID 5-ALPHA-
 REDUCTASE 2) (SR TYPE 2)//7.60E-08//114aa//37%/P31213
 C-OVARC1002182//BETA-TRCP (BETA-TRANSDUCIN REPEAT-CONTAINING PROTEIN) (BTRCP)//1.70E-
 09//207aa//30%/Q91854
 30 C-PLACE1000014
 C-PLACE1000078
 C-PLACE1000492//Rat vacuolar protein sorting homolog r-vps33b mRNA, complete cds//0//2041bp//87%/U35245
 C-PLACE1000793//NEUROGENIC PROTEIN BIG BRAIN//1.70E-07//251aa//24%/P23645
 35 C-PLACE1000814
 C-PLACE1000979//ZINC FINGER PROTEIN 135//2.50E-153//326aa//64%/P52742
 C-PLACE1001007
 C-PLACE1001054//Homo sapiens mRNA for RuvB-like DNA helicase TIP49b, complete cds//4.00E-300//
 1355bp//100%/AB024301
 40 C-PLACE1001088
 C-PLACE1001136
 C-PLACE1001241
 C-PLACE1001377//Homo sapiens ADAM10 (ADAM10) mRNA, complete cds//5.90E-228//827bp//99%/AF009615
 45 C-PLACE1001395
 C-PLACE1001740
 C-PLACE1001746
 C-PLACE1001983//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION//7.50E-16//
 319aa//26%/P37908
 50 C-PLACE1002066
 C-PLACE1002115
 C-PLACE1002213
 C-PLACE1002342//Homo sapiens mRNA for KIAA0728 protein, partial cds//0//1657bp//98%/AB018271
 C-PLACE1002450//Human zinc finger protein mRNA, complete cds//0//2565bp//99%/U69274
 55 C-PLACE1002474//Mus musculus matrilin-2 precursor mRNA, complete cds//0//2092bp//84%/U69262
 C-PLACE1002499
 C-PLACE1002578
 C-PLACE1002714

C-PLACE1002772
 C-PLACE1002775//PEREGRIN (BR140 PROTEIN)//3.80E-13//272aa//28%//P55201
 C-PLACE1002834//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//5.50E-203//396aa//86%//
 P51522
 5 C-PLACE1002993
 C-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete
 cds//8.50E-44//225bp//100%//AF032387
 C-PLACE1003205
 C-PLACE1003249
 10 C-PLACE1003493//ENDOTHELIAL CELL MULTIMERIN PRECURSORS//1.70E-23//594aa//33%//P28481
 C-PLACE1003553
 C-PLACE1003592
 C-PLACE1003596//OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG//2.60E-93//270aa//66%//
 P46975
 15 C-PLACE1003669//TRICHOHYALIN//5.60E-09//219aa//30%//P22793
 C-PLACE1003709//Homo sapiens mitotic checkpoint kinase Bub1 (BUB1) mRNA, complete cds//6.20E-282//
 1316bp//98%//AF053305
 C-PLACE1003870
 C-PLACE1003885//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-
 20 FERASE)//3.70E-222//651aa//66%//P25500
 C-PLACE1003892
 C-PLACE1003900
 C-PLACE1004336
 C-PLACE1004384
 25 C-PLACE1004425
 C-PLACE1004471//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//2.90E-56//276aa//41%//
 P51522
 C-PLACE1004506//Homo sapiens carboxyl terminal LIM domain protein (CLIM1) mRNA, complete cds//2.10E-
 16//402bp//62%//U90878
 30 C-PLACE1004518
 C-PLACE1004550//Homo sapiens CGI-20 protein mRNA, complete cds//3.50E-274//1305bp//97%//AF132954
 C-PLACE1004681
 C-PLACE1004693
 C-PLACE1004716//Homo sapiens HSPC038 protein mRNA, complete cds//2.70E-103//586bp//91%//AF125099
 35 C-PLACE1004815
 C-PLACE1004836
 C-PLACE1004838
 C-PLACE1004840
 C-PLACE1004900
 40 C-PLACE1004985
 C-PLACE1005085
 C-PLACE1005086
 C-PLACE1005108
 C-PLACE1005146
 45 C-PLACE1005409
 C-PLACE1005453
 C-PLACE1005477
 C-PLACE1005557//60S RIBOSOMAL PROTEIN L27//1.90E-11//60aa//48%//P46288
 C-PLACE1005595
 50 C-PLACE1005603
 C-PLACE1005639
 C-PLACE1005727//Homo sapiens STRIN protein (STRIN) mRNA, complete cds//2.00E-118//378bp//98%//
 AF162680
 C-PLACE1005799
 55 C-PLACE1005813//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds//0//2040bp//99%//AF065482
 C-PLACE1005884
 C-PLACE1005968
 C-PLACE1006002

EP 1 074 617 A2

C-PLACE1006003//Homo sapiens CGI-94 protein mRNA, complete cds.//2.40E-177//829bp//99%//AF151852
 C-PLACE1006017
 C-PLACE1006037
 C-PLACE1006076
 5 C-PLACE1006143
 C-PLACE1006248//Homo sapiens mRNA for KIAA0648 protein, partial cds.//0//1489bp//100%//AB014548
 C-PLACE1006288//VOLTAGE-DEPENDENT ANION-SELECTIVE CHANNEL PROTEIN 1 (VDAC1) (PLASMA-
 LEMMAL PORIN) (OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN) (PORIN 31HL) (PORIN 31HM)//
 4.60E-117//147aa//80%//P21796
 10 C-PLACE1006318//Mus musculus skm-BOP2 (Bop) mRNA, complete cds.//3.00E-07//376bp//59%//U76374
 C-PLACE1006368//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR)//
 1.30E-18//460aa//24%//Q00547
 C-PLACE1006371
 15 C-PLACE1006469//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
 TIVATING ENZYME)//1.20E-83//313aa//49%//P27550
 C-PLACE1006506//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds.//0//
 2170bp//99%//AF191338
 C-PLACE1006521
 20 C-PLACE1006534//Homo sapiens mRNA; cDNA DKFZp564G1964 (from clone DKFZp564G1964)//1.70E-192//
 883bp//99%//AL110144
 C-PLACE1006617
 C-PLACE1006640
 C-PLACE1006754//BILIARY GLYCOPROTEIN 1 PRECURSOR (BGP-1) (ANTIGEN CD66) (CD66A ANTIGEN)//
 6.20E-63//191aa//43%//P13688
 25 C-PLACE1006760
 C-PLACE1006779
 C-PLACE1006805
 C-PLACE1006815
 C-PLACE1006867
 30 C-PLACE1007045
 C-PLACE1007097
 C-PLACE1007111
 C-PLACE1007112
 C-PLACE1007140//Homo sapiens mRNA for KIAA1009 protein, complete cds.//0//3492bp//99%//AB023226
 35 C-PLACE1007218
 C-PLACE1007454
 C-PLACE1007478
 C-PLACE1007677
 C-PLACE10077057//Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds.//1.10E-184//1096bp//
 40 82%//AB033922
 C-PLACE1007737
 C-PLACE1007743
 C-PLACE1007852//Homo sapiens mRNA for KIAA0878 protein, complete cds.//1.00E-232//1174bp//94%//
 AB020685
 45 C-PLACE1007877
 C-PLACE1008045
 C-PLACE1008080//Homo sapiens mRNA for HEXIM1 protein, complete cds.//0//2152bp//99%//AB021179
 C-PLACE1008111//PROBABLE OXIDOREDUCTASE (EC 1.-.-.-)//3.00E-25//208aa//37%//Q03326
 C-PLACE1008201//Rattus rattus zinc finger protein, complete cds.//0//2265bp//83%//L23077
 50 C-PLACE1008231
 C-PLACE1008244//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//9.50E-21//148aa//38%//Q00808
 C-PLACE1008330//EOSINOPHIL LYSOPHOSPHOLIPASE (EC 3.1.1.5) (CHARCOT-LEYDEN CRYSTAL PRO-
 TEIN) (LYSOLECITHIN ACYLHYDROLASE) (CLC) (GALACTIN- 10)//2.20E-23//94aa//47%//Q05315
 C-PLACE1008331
 55 C-PLACE1008369
 C-PLACE1008392
 C-PLACE1008405
 C-PLACE1008424

C-PLACE1008584
 C-PLACE1008625
 C-PLACE1008630
 5 C-PLACE1008643//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN H2).//5.20E-90//483aa//38%//002668
 C-PLACE1008715
 C-PLACE1008748
 C-PLACE1008757
 C-PLACE1008798
 10 C-PLACE1008851
 C-PLACE1008947
 C-PLACE1009039
 C-PLACE1009048
 C-PLACE1009050
 15 C-PLACE10091137//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds.//0//2529bp//99%//AF035586
 C-PLACE1009150
 C-PLACE1009200
 C-PLACE1009246//POLLEN SPECIFIC PROTEIN SF3.//4.40E-16//82aa//43%//P29675
 20 C-PLACE1009298//Homo sapiens vacuolar sorting protein 35 (VPS35) mRNA, complete cds.//0//2262bp//99%//AF191298
 C-PLACE1009308//GLUCOSE REPRESSION MEDIATOR PROTEIN.//4.00E-06//439aa//23%//P14922
 C-PLACE1009398//ZINC FINGER PROTEIN 135.//6.20E-97//361aa//51%//P52742
 C-PLACE1009410
 25 C-PLACE1009477//Homo sapiens mRNA for KIAA0684 protein, partial cds.//6.50E-148//592bp//99%//AB014584
 C-PLACE1009493
 C-PLACE1009539
 C-PLACE1009595
 C-PLACE1009637
 30 C-PLACE1009639
 C-PLACE1009798//RLR1 PROTEIN.//1.60E-18//270aa//23%//P53552
 C-PLACE1009861//CATHEPSIN B-LIKE CYSTEINE PROTEINASE 6 PRECURSOR (EC 3.4.22.-).//6.50E-28//209aa//38%//P43510
 C-PLACE1009888
 35 C-PLACE1009925//Homo sapiens RNA helicase (RIG-I) mRNA, complete cds.//0//1730bp//99%//AF038963
 C-PLACE1009947
 C-PLACE1010069
 C-PLACE1010089//Homo sapiens mRNA for KIAA1097 protein, partial cds.//0//1554bp//100%//AB029020
 C-PLACE1010231//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR).//5.10E-27//371aa//28%//Q14246
 40 C-PLACE1010270
 C-PLACE1010562
 C-PLACE1010579//Homo sapiens PTB domain adaptor protein CED-6 mRNA, complete cds.//9.30E-299//1362bp//99%//AF200715
 45 C-PLACE1010624
 C-PLACE1010628//Homo sapiens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene, partial cds.//7.50E-08//324bp//64%//AF109907
 C-PLACE1010662//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT).//1.80E-222//808aa//52%//Q09332
 50 C-PLAC.E1010702//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//5.20E-151//427aa//55%//P28160
 C-PLACE1010761
 C-PLACE1010802 C-PLACE1010833//CALTRACTIN (CENTRIN).//0.0000001//154aa//28%//P41209
 C-PLACE1010896//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110).//1.50E-25//583aa//23%//P35580
 55 C-PLACE1010916
 C-PLACE1010947
 C-PLACE1010965
 C-PLACE1011032

EP 1 074 617 A2

C-PLACE1011041//Homo sapiens mRNA for BAP2-alpha protein, complete cds.//0//1701bp//97%//AB015019
 C-PLACE1011056//HISTONE H1, GONADAL.//6.80E-13//154aa//37%//P02256
 C-PLACE1011090//Homo sapiens mRNA; cDNA DKFZp586A0522 (from clone DKFZp586A0522).//0//880bp//
 99%//AL050159
 5 C-PLACE1011160//Homo sapiens HFB30 mRNA, complete cds.//0//1691bp//99%//AB022663
 C-PLACE1011214
 C-PLACE1011229//Homo sapiens ubiquitin-specific protease homolog (UPH) mRNA, complete cds.//2.30E-152//
 701bp//99%//AF153604
 C-PLACE1011273
 10 C-PLACE1011291
 C-PLACE1011310//MYOSIN HEAVY CHAIN, GIZZARD SMOOTH MUSCLE.//3.50E-20//496aa//25%//P10587
 C-PLACE1011371//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN
 H2).//1.70E-78//383aa//39%//Q61703
 C-PLACE1011503
 15 C-PLACE1011635//Homo sapiens heparan sulfate D-glucosaminyl 3-O-sulfotransferase-3B (30ST3B1) mRNA,
 complete cds.//0//1559bp//99%//AF105377
 C-PLACE1011646//Homo sapiens clone 25059 mRNA sequence.//5.00E-223//1035bp//99%//AF131752
 C-PLACE1011650
 C-PLACE1011675
 20 C-PLACE1011725
 C-PLACE1011749
 C-PLACE1011922//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE
 B) (NMMHC-B).//1.30E-15//409aa//27%//P35580
 C-PLACE1012031//Homo sapiens mRNA for KIAA0713 protein, partial cds.//0//1163bp//100%//AB018256
 25 C-PLACE2000006
 C-PLACE2000007//Homo sapiens mRNA for KIAA0913 protein, partial cds.//0//1968bp//97%//AB020720
 C-PLACE2000034//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48).//2.20E-29//
 212aa//35%//P10586
 C-PLACE2000039//Rattus norvegicus cytoplasmic dynein heavy chain (MAP 1C), mRNA, complete cds.//4.60E-
 30 291//1167bp//89%//L08505
 C-PLACE2000061
 C-PLACE2000072//Homo sapiens ZNF202 beta (ZNF202) mRNA, complete cds.//0//3174bp//99%//AF027219
 C-PLACE2000097
 C-PLACE2000103
 35 C-PLACE2000115
 C-PLACE2000124
 C-PLACE2000140
 C-PLACE2000164//TIPD PROTEIN.//2.10E-59//481aa//33%//O15736
 C-PLACE2000176
 40 C-PLACE2000223
 C-PLACE2000235
 C-PLACE2000274//DYNEIN BETA CHAIN, CILIARY.//2.20E-167//880aa//37%//P23098
 C-PLACE2000302
 C-PLACE2000347
 45 C-PLACE2000359
 C-PLACE2000371//TENSIN.//2.90E-78//561aa//37%//Q04205
 C-PLACE2000379
 C-PLACE2000399//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PRO-
 TEIN) (12E7).//1.60E-14//180aa//39%//P14209
 50 C-PLACE2000404//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE)
 (LEURS).//9.90E-229//821aa//54%//Q09996
 C-PLACE2000450
 C-PLACE2000455
 C-PLACE3000059//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//1979bp//90%//Y17267
 55 C-PLACE3000070
 C-PLACE3000119
 C-PLACE3000121//VESICULAR TRAFFIC CONTROL PROTEIN SEC15.//1.90E-08//281 aa//22%//P22224
 C-PLACE3000136

EP 1 074 617 A2

C-PLACE3000147//Homo sapiens metalloproteinase with thrombospondin type 1 motifs ADAMTS1 (ADAMTS1) mRNA, complete cds.//0//2043bp//99%//AF170084
C-PLACE3000148
5 C-PLACE3000155//Homo sapiens mRNA for KIAA0672 protein, complete cds.//2.10E-75//382bp//99%//AB014572
C-PLACE3000160
C-PLACE3000169//ZINC FINGER PROTEIN 135 //2.50E-90//358aa//47%//P52742
C-PLACE3000194
C-PLACE3000199
10 C-PLACE3000218//Homo sapiens putative protein O-mannosyltransferase (POMT2) mRNA, complete cds//0//1862bp//98%//AF105020
C-PLACE3000230
C-PLACE3000244//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR).//0//1435aay//92%//P53995
C-PLACE3000254//Homo sapiens transcriptional activator SRCAP (SRCAP) mRNA, complete cds.//0//4583bp//83%//AF143946
15 C-PLACE3000276
C-PLACE3000310
C-PLACE3000320
C-PLACE3000331
20 C-PLACE3000339//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) //9.60E-08//359aa//23 %//P08640
C-PLACE3000352
C-PLACE3000353//Homo sapiens mRNA; cDNA DKFZp586H0623 (from clone DKFZp586H0623).//0//2456bp//99%//AL096739
25 C-PLACE3000362
C-PLACE3000365
C-PLACE3000388
C-PLACE3000413
C-PLACE3000425
30 C-PLACE4000009//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B) //2.90E-54//626aa//29%//P35580
C-PLACE4000014//X-LINKED HELICASE II (X-LINKED NUCLEAR PROTEIN) (XNP) //3.10E-111//348aa//41%//P46100
C-PLACE4000052//Homo sapiens ATP cassette binding transporter 1 (ABC1) mRNA, complete cds.//0//4661bp//99%//AF165281
35 C-PLACE4000089
C-PLACE4000128//Mus musculus putative transcription factor mRNA, complete cds.//1.60E-86//190aa//88%//AF091234
C-PLACE4000129
40 C-PLACE4000147
C-PLACE4000192//ZINC FINGER PROTEIN 142 (KIAA0236) (HA4654) //7.00E-22//369aa//25%//P52746
C-PLACE4000211//Homo sapiens TTF-I interacting peptide 5 mRNA, partial cds.//1.70E-262//1217bp//98%//AF000422
C-PLACE4000222
45 C-PLACE4000269//Homo sapiens mRNA for KIAA1067 protein, partial cds.//0//3787bp//99%//AB028990
C-PLACE4000270
C-PLACE4000300
C-PLACE4000387
C-PLACE4000392
50 C-PLACE4000431//H.sapiens gene for U5 snRNP-specific 200kD protein.//0//5142bp//90%//Z70200
C-PLACE4000450//Homo sapiens TTF-I interacting peptide 5 mRNA, partial cds.//2.70E-261//1217b.p//98%//AF000422
C-PLACE4000465
55 C-PLACE4000489//PROTEIN GRAINY-HEAD (DNA-BINDING PROTEIN ELF-1) (ELEMENT I-BINDING ACTIVITY) (TRANSCRIPTION FACTOR NTF-1) //5.70E-60//254aa//44%//P13002
C-PLACE4000654//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//6340bp//87%//Y17267
C-SKNMC1000011//PUTATIVE IMPORTIN BETA-4 SUBUNIT (KARYOPHERIN BETA-4 SUBUNIT) //5.50E-35//431aa//29%//O60100

- C-SKNMC1000046//Homo sapiens liprin-alpha3 mRNA, partial cds.//1.90E-162//749bp//99%//AF034800
 C-SKNMC1000050//CALPAIN 2, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEUTRAL PROTEINASE) (CANP) (M-TYPE).//3.20E-41//87aa//98%//P17655
 C-THYRO1000034//TRICHOHYALIN//9.40E-10//176aa//30%//P37709
 5 C-THYRO1000070
 C-THYRO1000072//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN]//3.40E-16//201aa//29%//P11799
 C-THYRO1000092
 C-THYRO1000121//Homo sapiens mRNA for KIAA1116 protein, complete cds.//0//2159bp//99%//AB029039
 10 C-THYRO1000124
 C-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease.//0//2362bp//99%//AJ005698
 C-THYRO1000199//Homo sapiens mRNA for KIAA0652 protein, complete cds.//0//1409bp//98%//AB014552
 C-THYRO1000206
 C-THYRO1000242//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//5.00E-118//239aa//66%//
 15 P51523
 C-THYRO1000253
 C-THYRO1000270
 C-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds.//0//2161bp//99%//AB016068
 C-THYRO1000320
 20 C-THYRO1000358//SELENIUM-BINDING LIVER PROTEIN.//2.30E-229//237aa//79%//P17563
 C-THYRO1000368
 C-THYRO1000381
 C-THYRO1000387
 C-THYRO1000394//Homo sapiens peroxisomal membrane protein PMP 24 mRNA, complete cds.//1.20E-299//
 25 1325bp//99%//AF072864
 C-THYRO10003957//Homo sapiens actin-binding protein (IPP) mRNA, complete cds.//0//2092bp//99%//AF156857
 C-THYRO1000401
 C-THYRO1000488//Homo sapiens HFB30 mRNA, complete cds.//0//2254bp//100%//AB022663
 C-THYRO1000501//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A))//
 30 4.20E-98//408aa//42%//P19474
 C-THYRO1000558
 C-THYRO1000570
 C-THYRO1000605//Homo sapiens histone acetyltransferase (HBOa) mRNA, complete cds.//0//3080bp//99%//
 AF140360
 35 C-THYRO1000625
 C-THYRO1000637
 C-THYRO1000676
 C-THYRO1000684//Homo sapiens mRNA for KIAA0872 protein, complete cds.//0//2131bp//99%//AB020679
 C-THYRO1000712
 40 C-THYRO1000805
 C-THYRO1000815
 C-THYRO1000855
 C-THYRO1000934//PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE).//
 7.50E-57//315aa//43%//P32322
 45 C-THYRO1000988
 C-THYRO1001033//TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521.//8.40E-12//167aa//29%//P31948
 C-THYRO1001120//Mus musculus FX-induced thymoma transcript (FXI-T1) mRNA, complete cds.//1.90E-92//
 1479bp//66%//U38252
 C-THYRO1001204//Homo sapiens cathepsin Z precursor (CTS2) gene, exons 4, 5, and 6 and complete cds; and
 50 TH1 gene partial sequence.//3.80E-100//478bp//99%//AF136276
 C-THYRO1001262
 C-THYRO1001271
 C-THYRO1001287//MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (EC 3.2.1.113) (MAN(9)-
 ALPHA-MANNOSIDASE) (FRAGMENT).//3.40E-51//429aa//33%//P45701
 55 C-THYRO1001313//Homo sapiens sorting nexin 11 (SNX11) mRNA, complete cds.//0//2330bp//94%//AF121861
 C-THYRO1001347
 C-THYRO1001363//Homo sapiens mRNA; cDNA DKFZp56400423 (from clone DKFZp56400423).//0//2173bp//
 99%//AL080120

EP 1 074 617 A2

C-THYRO1001374//Homo sapiens mRNA for KIAA0707 protein, partial cds.//0//1700bp//99%//AB014607
 C-THYRO1001403
 C-THYRO1001405//PLECTIN.//6.90E-19//450aa//27%//P30427
 5 C-THYRO1001406//Homo sapiens steroid dehydrogenase homolog mRNA, complete cds.//0//1676bp//98%//
 AF078850
 C-THYRO1001426
 C-THYRO1001458//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN,
 TYPE B) (NMMHC-B).//2.70E-171//559aa//59%//P35580
 C-THYRO1001480
 10 C-THYRO1001487
 C-THYRO1001584
 C-THYRO1001661
 C-THYRO1001746
 C-THYRO1001772
 15 C-THYRO1001854
 C-Y79AA1000013//Mus musculus RING finger protein A07 mRNA, complete cds.//8.90E-205//1435bp//81 %//
 AF171060
 C-Y79AA1000033//Homo sapiens CARD4 mRNA, complete cds.//0//2929bp//96%//AF126484
 C-Y79AA1000231//Homo sapiens nucleolar protein NOP5/NOP58 mRNA, complete cds.//0//1515bp//99%//
 20 AF123534
 C-Y79AA1000342//Homo sapiens Ciz1 mRNA, complete cds.//0//2644bp//81%//AB030835
 C-Y79AA1000349//M.musculus Spnr mRNA for RNA binding protein.//0//2048bp//93%//X84692
 C-Y79AA1000410
 C-Y79AA1000539
 25 C-Y79AA1000589//Homo sapiens clone 614 unknown mRNA, complete sequence.//1.00E-302//1375bp//99%//
 AF091080
 C-Y79AA1000802
 C-Y79AA1000827
 C-Y79AA1000966//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1586bp//99%//AF100757
 30 C-Y79AA1000969
 C-Y79AA1000985//Human centrosomal protein kendrin mRNA, complete cds.//4.70E-151//985bp//87%//U52962
 C-Y79AA1001061
 C-Y79AA1001068
 C-Y79AA1001216
 35 C-Y79AA1001299//Homo sapiens mRNA for integrase interactor 1b protein (INI1B).//0//996bp//99%//AJ011738
 C-Y79AA1001511
 C-Y79AA1001594//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR).//
 2.50E-14//410aa//24%//Q00547
 C-Y79AA1001692//Mus musculus strain C57BL/J germ cell-less protein (Gcl) mRNA, complete cds.//1.40E-78//
 40 227aa//40%//Q01820
 C-Y79AA1001866//Homo sapiens zinc finger protein ZNF180 (ZNF180) mRNA, complete cds.//0//2927bp//97%//
 AF192913
 C-Y79AA1001874//OX40L RECEPTOR PRECURSOR (ACT35 ANTIGEN) (TAX-TRANSCRIPTIONALLY ACTI-
 VATED GLYCOPROTEIN 1 RECEPTOR) (CD134 ANTIGEN).//4.50E-08//135aa//31%//P43489
 45 C-Y79AA1002139//DNAJ PROTEIN HOMOLOG 1 (DROJ1).//9.00E-17//120aa//45%//Q24133
 C-Y79AA1002210//YTUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PRO-
 TEIN).//0.0000018//140aa//25%//Q13829
 C-Y79AA1002211//PHOSPHATIDYLETHANOLAMINE-BINDING PROTEIN HOMOLOG F40A3.3.//1.70E-17//
 146aa//35%//O16264
 50 C-Y79AA1002220
 C-Y79AA1002234//Homo sapiens mRNA for KIAA0692 protein, partial cds.//0//3168bp//99%//AB014592
 C-Y79AA1002258//Homo sapiens mRNA for HIP1R, complete cds.//0//2106bp//99%//AB013384
 C-Y79AA1002361//Rattus norvegicus mRNA for protein phosphatase 1 (GL-subunit).//6.90E-140//966bp//82%//
 Y18208
 55 C-Y79AA1002399//Homo sapiens mRNA for sperm protein.//0//1163bp//95%//X91879
 C-Y79AA1002416//Mus musculus CTP synthetase homolog (CTPsH) mRNA, complete cds.//3.9e-317//1902bp//
 86%//U49385
 C-Y79AA1002431//TRANSDUCIN-LIKE ENHANCER PROTEIN 2 (ESG2).//9.80E-62//318aa//35%//Q04725

EP 1 074 617 A2

C-Y79AA1002482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//2.70E-137//340aa//51%//Q05481

C-Y79AA1002487//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds//7.3e-310//1444bp//98%//AF129534

5 C-HEMBA1000290

C-HEMBA1000459

C-HEMBA1000505

C-HEMBA1001196//Human DNA topoisomerase II (top2) mRNA, complete cds//1.60E-268//1213bp//100%//J04088

10 C-HEMBA1002503

C-HEMBA1002508

C-HEMBA1002513//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//0//2432bp//99%//AJ011972

C-HEMBA1003480

15 C-HEMBA1003538//COMPLEMENT C1R COMPONENT PRECURSOR (EC 3.4.21.41)//2.40E-110//242aa//58%//P00736

C-HEMBA10036451//TPPD PROTEIN//2.40E-10//289aa//23%//O15736

C-HEMBA1003646//Homo sapiens mRNA for KIAA1013 protein, partial cds//0//3049bp//99%//AB023230

C-HEMBA1003667

20 C-HEMBA1003679//SIALIDASE (EC 3.2.1.18) (NEURAMINIDASE) (NA) (MAJOR SURFACE ANTIGEN)//1.00E-09//611aa//22%//P23253

C-HEMBA1003827

C-HEMBA1003838

C-HEMBA1004055

25 C-HEMBA1004056

C-HEMBA1004086

C-HEMBA1004335

C-HEMBA1004353//C-MYC BINDING PROTEIN MM-1//3.00E-71//89aa//96%//Q99471

C-HEMBA1004479//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN)//3.10E-51//152aa//40%//Q61221

30 C-HEMBA1004499//Homo sapiens delta-tubulin mRNA, complete cds//3.40E-92//483bp//95%//AF201333

C-HEMBA1004507

C-HEMBA1004638

C-HEMBA1004669//SON PROTEIN (SON3)//7.30E-17//288aa//36%//P18583

35 C-HEMBA1004709

C-HEMBA1004860

C-HEMBA1005206//Drosophila simulans anon73B1 gene and Su(P) gene//1.90E-11//376bp//63%//AJ250308

C-HEMBA1005472

C-HEMBA1005513//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-)//1.90E-129//332aa//61%//002193

40 C-HEMBA1005572

C-HEMBA1005780

C-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//0//2371bp//100%//AF082516

C-HEMBA1006038//LAMININ ALPHA-5 CHAIN (FRAGMENT)//3.10E-33//81aa//64%//Q61001

45 C-HEMBA1006124

C-HEMBA1006461

C-HEMBA1006521//3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE (EC 1.1.1.100) (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE)//4.00E-33//177aa//42%//P25716

C-HEMBA1006617

50 C-HEMBA1006650//ARP2/3 COMPLEX 20 KD SUBUNIT (P20-ARC)//9.00E-40//113aa//82%//O15509

C-HEMBA1006779

C-HEMBA1006796

C-HEMBA1006812

C-HEMBA1006914//Human anthracycline-associated resistance ARX mRNA, complete cds//0//1837bp//99%//U35832

55 C-HEMBA1007174//Homo sapiens mRNA for KIAA1065 protein, complete cds//0//1079bp//97%//AB028988

C-HEMBA1000240

C-HEMBA1000264//CHL1 PROTEIN//9.50E-19//104aa//45%//P22516

C-HEMBB1000335
 C-HEMBB1000337
 C-HEMBB1000554
 C-HEMBB1000573
 5 C-HEMBB1000749
 C-HEMBB1000774
 C-HEMBB1000835
 C-HEMBB1001197
 C-HEMBB1001315
 10 C-HEMBB1001482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//2.10E-57//941aa//
 27%/Q05481
 C-HEMBB1001500
 C-HEMBB1001562//CYLICIN II (MULTIPLE-BAND POLYPEPTIDE II)//1.40E-06//373aa//21%/Q28092
 C-HEMBB1001619
 15 C-HEMBB1001630
 C-HEMBB1001665
 C-HEMBB1001684//Homo sapiens mRNA for KIAA1108 protein, partial cds.//0//2348bp//99%/AB029031
 C-HEMBB1001812
 C-HEMBB1001834
 20 C-HEMBB1001869
 C-HEMBB1001871//BONE/CARTILAGE PROTEOGLYCAN I PRECURSOR (BIGLYCAN) (PG-S 1)//5.40E-75//
 241aa//48%/P47853
 C-HEMBB1001872//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR)
 (CELL SURFACE GLYCOPROTEIN F4/80)//1.90E-22//210aa//27%/Q61549
 25 C-HEMBB1001905//TRICHOHYALIN.//2.10E-10//268aa//27%/P37709
 C-HEMBB1001908//Human monocytic leukaemia zinc finger protein (MOZ) mRNA, complete cds//1.60E-131//
 874bp//66%/U47742
 C-HEMBB1001915//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THI-
 OLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME
 30 64E).//6.90E-132//561aa//50%/Q24574
 C-HEMBB1001925
 C-HEMBB1002044//Mus musculus mRNA for vascular cadherin-2.//0//3562bp//81%/Y08715
 C-HEMBB1002134//ZINC-FINGER PROTEIN NEURO-D4.//8.10E-56//176aa//67%/P56163
 C-HEMBB1002152
 35 C-HEMBB1002300
 C-HEMBB1002381
 C-HEMBB1002383
 C-HEMBB1002534
 C-MAMMA1000143
 40 C-MAMMA1000183//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//3.40E-134//359aa//63%/P51523
 C-MAMMA1000227
 C-MAMMA1000257
 C-MAMMA1000264
 45 C-MAMMA1000270
 C-MAMMA1000279
 C-MAMMA1000372
 C-MAMMA1000559
 C-MAMMA1000752
 50 C-MAMMA1000760
 C-MAMMA1000778
 C-MAMMA1000855
 C-MAMMA1000859
 C-MAMMA1000897//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H3 PRECURSOR (ITI HEAVY CHAIN
 55 H3) (SERUM-DERIVED HYALURONAN-ASSOCIATED PROTEIN) (SHAP).//1.00E-141//576aa//37%/Q06033
 C-MAMMA1000940
 C-MAMMA1001073
 C-MAMMA1001080//Homo sapiens SNC73 protein (SNC73) mRNA, complete cds.//1.6e-312//1596bp//94%/

AF067420
 C-MAMMA10011987/Homo sapiens eps15RmRNA, partial cds./0//2253bp//99%//AB015346
 C-MAMMA1001202
 C-MAMMA1001222/EBNA-2 NUCLEAR PROTEIN./6.60E-09//255aa//29%//P12978
 5 C-MAMMA1001252
 C-MAMMA1001296
 C-MAMMA1001502
 C-MAMMA1001630
 C-MAMMA1001633/ZINC FINGER PROTEIN 165./6.30E-39//160aa//55%//P49910
 10 C-MAMMA1001683
 C-MAMMA1001715
 C-MAMMA1001730/Homo sapiens brain and nasopharyngeal carcinoma susceptibility protein NSG-x mRNA, partial cds./0//1603bp//99%//AF095687
 C-MAMMA1001760
 15 C-MAMMA1001769
 C-MAMMA1001785
 C-MAMMA1001848
 C-MAMMA1001874
 C-MAMMA1001956
 20 C-MAMMA1002009
 C-MAMMA1002033
 C-MAMMA1002155
 C-MAMMA1002498
 C-MAMMA1002545
 25 C-MAMMA1002571
 C-MAMMA1002573//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3)(GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)./2.60E-19//666aa//23%//P08640
 C-MAMMA1002590
 C-MAMMA1002617/ZINC FINGER PROTEIN 135./7.60E-89//252aa//57%//P52742
 30 C-MAMMA1002618
 C-MAMMA1002636
 C-MAMMA1002646
 C-MAMMA1002665
 C-MAMMA1002708
 35 C-MAMMA1002728
 C-MAMMA1002744
 C-MAMMA1002764
 C-MAMMA1002765
 C-MAMMA1002830
 40 C-MAMMA1002844/TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, NON-GREEN PLASTID PRECURSOR (CTPT)./4.90E-10//334aa//22%//P52178
 C-MAMMA1002858/Rat cMG1 mRNA./3.70E-238//1147bp//92%//X52590
 C-MAMMA1002880
 C-MAMMA1002892
 45 C-MAMMA1002909
 C-MAMMA1002941
 C-MAMMA1002947
 C-MAMMA1002972/VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS27./1.10E-05//69aa//42%//P40343
 50 C-MAMMA1002973
 C-MAMMA1002987
 C-MAMMA1003003
 C-MAMMA1003026/Homo sapiens HSPC057 mRNA, complete cds./0//1773bp//98%//AF161542
 C-MAMMA1003031
 55 C-MAMMA1003089
 C-NT2RM1000092/MULTIDRUG RESISTANCE PROTEIN 2 (MULTIDRUG-EFFLUX TRANSPORTER 2)./1.00E-07//362aa//23%//P39843
 C-NT2RM1000272

C-NT2RM1000341
 C-NT2RM1000539//Homo sapiens mRNA for Lsm5 protein./3.00E-158/733bp/99%/AJ238097
 C-NT2RM1000553//Homo sapiens putative glycolipid transfer protein mRNA, complete cds./3.40E-177/814bp/99%/AF103731
 5 C-NT2RM1000623//RIBONUCLEASE INHIBITOR./4.40E-21/372aa/30%/P10775
 C-NT2RM1000702//PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-)/5.60E-08/187aa/27%/P49695
 C-NT2RM1000833//Homo sapiens sec61 homolog mRNA, complete cds./0/3541bp/99%/AF084458
 C-NT2RM1000883//Homo sapiens I-1 receptor candidate protein mRNA, complete cds./0/5107bp/99%/AF082516
 10 C-NT2RM1001082
 C-NT2RM1001112
 C-NT2RM2001105//Drosophila melanogaster eyelid (eld) mRNA, complete cds./1.20E-28/805bp/61%/AF053091
 15 C-NT2RM2001360//Homo sapiens clone C40 unknown mRNA./1.00E-250/1136bp/100%/AF103798
 C-NT2RM2001797//Homo sapiens mRNA; cDNA DKFZp572C163 (from clone DKFZp572C163); partial cds./0/2300bp/100%/AL110217
 C-NT2RM2001803//Homo sapiens IkappaB kinase cbmp complex associated protein (IKAP) mRNA, complete cds./0/2249bp/99%/AF044195
 20 C-NT2RM4002504
 C-NT2RP1000409
 C-NT2RP1000460//Homo sapiens mRNA for KIAA1068 protein, partial cds./0/3199bp/99%/AB028991
 C-NT2RP1000746//Homo sapiens 60S acidic ribosomal protein PO mRNA, complete cds./9.70E-196/901bp/99%/AF173378
 25 C-NT2RP1000796
 C-NT2RP1001013//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)/7.70E-253/425aa/98%/P51522
 C-NT2RP2001214
 C-NT2RP2001233//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)/2.00E-128/409aa/45%/Q05481
 30 C-NT2RP2001440//Homo sapiens mRNA for 14-3-3gamma, complete cds./0/3712bp/99%/AB024334
 C-NT2RP2002056
 C-NT2RP2002105//H.sapiens MSH-R gene for melanocyte stimulating hormone receptor./0/1644bp/98%/X65634
 35 C-NT2RP2002333
 C-NT2RP2002677
 C-NT2RP2002755
 C-NT2RP2002843
 C-NT2RP2003101
 40 C-NT2RP2003668
 C-NT2RP2003799
 C-NT2RP2004095
 C-NT2RP2004300
 C-NT2RP2004675
 45 C-NT2RP2004920//TRANSCRIPTIONAL REGULATOR ATRX (X-LINKED NUCLEAR PROTEIN) (HETERO-CHROMATIN PROTEIN 2) (HP1 ALPHA-INTERACTING PROTEIN) (HP1-BP38 PROTEIN)/4.20E-09/804aa/22%/Q61687
 C-NT2RP2005144//Homo sapiens tubby like protein 3 (TULP3) mRNA, complete cds./2.10E-308/1437bp/98%/AF045583
 50 C-NT2RP2005719//GPI-ANCHORED PROTEIN P137 /4.00E-14/99aa/43%/Q14444
 C-NT2RP2005726
 C-NT2RP2005776//POLY(A) POLYMERASE TYPE 2 (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYL-TRANSFERASE)/4.40E-55/358aa/42%/P51005
 C-NT2RP2005980
 55 C-NT2RP2006184//Homo sapiens mRNA for KIAA0918 protein, partial cds./0/4235bp/99%/AB020725
 C-NT2RP2006534//5'-AMP-ACTIVATED PROTEIN KINASE, CATALYTIC ALPHA-1 CHAIN (EC 2.7.1.-) (AMPK ALPHA-1 CHAIN) (FRAGMENT)/3.20E-11/32aa/96%/Q13131
 C-NT2RP2006554

C-NT2RP3000584
 C-NT2RP3001115
 C-NT2RP3001723//Homo sapiens cell recognition molecule Caspr2 (CASPR2) mRNA, complete cds//1.40E-58//
 1138bp//63%//AF193613
 5 C-NT2RP3001938//SPORULATION-SPECIFIC PROTEIN 1 (EC 2.7.1.-)//1.30E-22//227aa//33%//P08458
 C-NT2RP3002330//Homo sapiens eRFS mRNA, complete cds//0//2443bp//99%//U87791
 C-NT2RP3002402
 C-NT2RP3002484//Homo sapiens mRNA for KIAA0998 protein, partial cds//1.20E-124//597bp//98%//AB023215.
 C-NT2RP3002512
 10 C-NT2RP3002713
 C-NT2RP3002770//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116//1.00E-07//70aa//
 41%//P17564
 C-NT2RP3002799
 C-NT2RP3002810//HISTIDINE-RICH PROTEIN KE4.//2.20E-10//260aa//26%//Q31125
 15 C-NT2RP3002818//INSERTION ELEMENT IS2A HYPOTHETICAL 48.2 KD PROTEIN//5.70E-226//303aa//97%//
 P51026
 C-NT2RP3002955
 C-NT2RP3002985
 C-NT2RP3003059//Rattus norvegicus potassium channel regulator 1 mRNA, complete cds.//3.80E-152//1007bp//
 20 82%//U78090
 C-NT2RP3003121
 C-NT2RP3003133//Homo sapiens ZK1 mRNA for Kruppel-type zinc finger protein, complete cds.//0//1998bp//
 91%//AB011414
 C-NT2RP3003138//Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds.//0//2159bp//98%//
 25 AF071592
 C-NT2RP3003155
 C-NT2RP3003157
 C-NT2RP3003185//TROPOMYOSIN 1, FUSION PROTEIN 33.//2.80E-06//402aa//23%//P49455
 C-NT2RP3003264
 30 C-NT2RP3003346
 C-NT2RP3003403
 C-NT2RP3003411//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.//6.30E-270//
 743bp//90%//AF071317
 C-NT2RP3003500//SCY1 PROTEIN.//9.20E-27//601aa//23%//P53009
 35 C-NT2RP3003572
 C-NT2RP3003576
 C-NT2RP3003665//Homo sapiens mRNA for beta-ureidopropionase, complete cds.//0//1690bp//99%//AB013885
 C-NT2RP3003672//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PRO-
 TEIN) (12E7).//2.20E-13//146aa//42%//P14209
 40 C-NT2RP3003680//Homo sapiens mRNA; cDNA DKFZp434J154 (from clone DKFZp434J154); complete cds.//0//
 2047bp//95%//AL080155
 C-NT2RP3003799//Rattus norvegicus Srg1 (Sytr1) mRNA, complete cds.//9.00E-238//1529bp//84%//U71294
 C-NT2RP3003800//Rattus norvegicus tyrosine protein kinase pp60-c-src mRNA, complete cds.//1.90E-163//
 924bp//89%//AF130457
 45 C-NT2RP3003828
 C-NT2RP3003932
 C-NT2RP3003992//Homo sapiens mRNA; cDNA DKFZp564C186 (from clone DKFZp564C186).//0//2739bp//
 99%//AL050019
 C-NT2RP3004013//M.musculus Spnr mRNA for RNA binding protein.//6.50E-240//1215bp//94%//X84692
 50 C-NT2RP3004028
 C-NT2RP3004041
 C-NT2RP3004051
 C-NT2RP3004078//H.sapiens HRFX2 mRNA.//0//1806bp//99%//X76091
 C-NT2RP3004093
 55 C-NT2RP3004095
 C-NT2RP3004125//Mus musculus zinc finger protein splice variant FIZ1-B (Fiz1) mRNA, complete cds.//4.60E-
 229//1560bp//78%//AF126747
 C-NT2RP3004148//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-

EP 1 074 617 A2

DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) //7.90E-05//271aa//22%//P08640
 C-NT2RP3004155//Homo sapiens COQ7 protein mRNA, complete cds.//1.10E-179//823bp//100%//AF098948
 C-NT2RP3004189//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//1.30E-14//242aa//24%//Q00808
 C-NT2RP3004332
 5 C-NT2RP3004349
 C-NT2RP3004470
 C-NT2RP4000035
 C-NT2RP4000049
 C-NT2RP4000102
 10 C-NT2RP4000167
 C-NT2RP4000515
 C-NT2RP4000517
 C-NT2RP4000519
 C-NT2RP5003512//Homo sapiens mRNA for KIAA1291 protein, partial cds.//0//1980bp//99%//AB033117
 15 C-OVARC1000092
 C-OVARC1000533
 C-OVARC1000678
 C-OVARC1000689//Homo sapiens mRNA; cDNA DKFZp434C1415 (from clone DKFZp434C1415); partial cds.//
 0//2032bp//99%//AL133014
 20 C-OVARC1000802
 C-OVARC1000890
 C-OVARC1000891
 C-OVARC1000945//Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds.//0//1961bp//
 82%//AB005549
 25 C-OVARC1001072
 C-OVARC1001117
 C-OVARC1001200//Mus musculus mRNA for HS1 binding protein 3.//5.80E-88//658bp//80%//AJ132192
 C-OVARC1001244//H.sapiens mRNA for Drosophila female sterile homeotic (FSH) homologue.//0//1467bp//99%//
 X62083
 30 C-OVARC1001329
 C-OVARC1001341
 C-OVARC1001376
 C-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds.//0//1876bp//98%//
 AF016507
 35 C-OVARC1001873
 C-PLACE1000007//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE R10E11.3 (EC 3.1.2.15)
 (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-
 ZYME) //1.60E-81//212aa//70%//P34547
 C-PLACE1000547//Homo sapiens GDP-mannose pyrophosphorylase B (GMPPB) mRNA, complete cds.//3.70E-
 40 241//1124bp//98%//AF135421
 C-PLACE1001036//Homo sapiens mRNA for KIAA1017 protein, complete cds.//0//2117bp//99%//AB023234
 C-PLACE1001076
 C-PLACE1001118//ZINC FINGER PROTEIN 135.//5.40E-147//443aa//57%//P52742
 C-PLACE1001366
 45 C-PLACE1001545
 C-PLACE1001608
 C-PLACE1002004
 C-PLACE1002256
 C-PLACE1002437//ATP-BINDING CASSETTE TRANSPORTER 1.//4.50E-76//180aa//83%//P41233
 50 C-PLACE1002591//CORONIN-LIKE PROTEIN P57.//4.40E-70//208aa//66%//P31146
 C-PLACE1002665//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//0//2462bp//89%//
 AF079765
 C-PLACE1003383
 C-PLACE1003864
 55 C-PLACE1004793//RETROVIRUS-RELATED ENV POLYPROTEIN.//5.20E-47//577aa//25%//P10267
 C-PLACE1004913
 C-PLACE1004979
 C-PLACE1005052//Homo sapiens CGI-16 protein mRNA, complete cds.//6.6e-313//1413bp//99%//AF132950

EP 1 074 617 A2

C-PLACE1005055//Homo sapiens mRNA for KIAA0576 protein, partial cds.//0//2431bp//99%//AB011148
 C-PLACE1005128
 C-PLACE1005162
 5 C-PLACE1005176//Homo sapiens hypothalamus protein HT001 mRNA, complete cds.//3.90E-212//1040bp//
 96%//AF113539
 C-PLACE1005467//PENICILLIN-BINDING PROTEIN 4* (PBP 4*) (PBP 4A)//1.10E-09//93aa//31%//P32959
 C-PLACE1005549//Homo sapiens mRNA for Rho guanine nucleotide-exchange factor, splice variant NET1A//
 7.60E-97//1287bp//67%//AJ010046
 10 C-PLACE1005584//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0 (P135 PROTEIN) (IER 2.9/ER2.6)//
 6.80E-09//267aa//30%//P29128
 C-PLACE1005611//Mus musculus mRNA for mDjIO, complete cds.//2.00E-33//379bp//66%//AB028860
 C-PLACE1005802
 C-PLACE1005850
 C-PLACE1005898
 15 C-PLACE1005932
 C-PLACE1006129//Homo sapiens HSPC057 mRNA, complete cds.//0//2849bp//98%//AF161542
 C-PLACE1006360
 C-PLACE1006795
 C-PLACE1006878//TRNA-SPUCING ENDONUCLEASE SUBUNIT SEN2 (EC 3.1.27.9) (TRNA-INTRON ENDO-
 20 NUCLEASE)//1.90E-08//122aa//36%//P16658
 C-PLACE1007557
 C-PLACE1007807
 C-PLACE1008181
 C-PLACE1008426//Homo sapiens mRNA for KIAA1288 protein, partial cds.//0//3311bp//99%//AB033114
 25 C-PLACE1008455
 C-PLACE1008941
 C-PLACE1009935
 C-PLACE1010310//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT)//1.20E-18//467aa//30%//P46804
 C-PLACE1011891
 30 C-PLACE10118967//Mus musculus Wnt10a mRNA, complete cds.//2.60E-287//1820bp//85%//U61969
 C-PLACE2000003
 C-PLACE2000132
 C-PLACE2000170
 C-PLACE2000335
 35 C-PLACE3000124
 C-PLACE3000158
 C-PLACE3000207
 C-PLACE3000221
 C-PLACE3000271
 40 C-PLACE3000304
 C-PLACE3000322
 C-PLACE3000341
 C-PLACE3000373
 C-PLACE3000399
 45 C-PLACE3000401
 C-PLACE3000402
 C-PLACE3000406
 C-PLACE3000475
 C-PLACE4000063//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-
 50 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//1.70E-15//740aa//23%//P08640
 C-PLACE4000093
 C-PLACE4000100//Homo sapiens hydroxypyruvate reductase (GRHPR) gene, complete cds.//0//4199bp//97%//
 AF146689
 C-PLACE4000131//Homo sapiens mRNA; cDNA DKFZp586J0917 (from clone DKFZp586J0917); partial cds //0//
 55 1612bp//97%//AL117455
 C-PLACE4000247
 C-PLACE4000250
 C-PLACE4000252

EP 1 074 617 A2

C-PLACE4000259//H.sapiens gene for U5 snRNP-specific 200kD protein.//0//5143bp//90%//Z70200
 C-PLACE4000261//PEREGRIN (BR140 PROTEIN).//9.50E-10//128aa//34%//P55201
 C-PLACE4000320
 C-PLACE4000344
 5 C-PLACE4000367
 C-PLACE4000401//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
 TIVATING ENZYME).//7.20E-22//54aa//62%//Q01576
 C-PLACE4000411//Homo sapiens mRNA; cDNA DKFZp586D0624 (from clone DKFZp586D0624); partial cds.//
 0//2159bp//98%//AL117654
 10 C-PLACE4000487
 C-PLACE4000494
 C-PLACE4000521
 C-PLACE4000548//Homo sapiens mRNA for KIAA0947 protein, partial cds.//0//4864bp//99%//AB023164
 C-SKNMC1000013//Homo sapiens ATP-binding cassette protein M-ABC1 mRNA, nuclear gene encoding mito-
 15 chondrial protein, complete cds.//0//2384bp//99%//AF047690
 C-SKNMC1000091//Homo sapiens mRNA for leucine-zipper protein, complete cds.//6.10E-190//872bp//99%//
 AB021663
 C-THYRO1000343//Homo sapiens mRNA for KIAA0790 protein, partial cds.//0//3711bp//99%//AB018333
 C-THYRO1000569//Mus musculus hematopoietic zinc finger protein mRNA, complete cds.//0//1557bp//91%//
 20 AF118566
 C-THYRO1001142
 C-THYRO1001189//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.10E-200//546aa//
 62%//005481
 C-THYRO1001320
 25 C-THYRO1001537//Homo sapiens mRNA; cDNA DKFZp586A0522 (from clone DKFZp586A0522); partial cds.//
 0//1010bp//98%//AL050159
 C-THYRO1001602
 C-THYRO1001721//RING CANAL PROTEIN (KELCH PROTEIN).//9.30E-34//220aa//38%//Q04652
 C-THYRO1001828
 30 C-Y79AA1000346//Homo sapiens nonclathrin coat protein gamma2-COP mRNA, complete cds.//0//2520bp//99%//
 AF157833
 C-Y79AA1001167
 C-Y79AA1001384//Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA, complete cds.//0//
 4708bp//99%//AF055084
 35 C-Y79AA1001875//RAS-RELATED PROTEIN RAB-7.//9.40E-12//34aa//97%//P51149
 C-Y79AA1002103//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT).//3.00E-257//549aa//76%//P16415
 C-HEMBA1006092
 C-HEMBA1006406
 C-HEMBB1000790
 40 C-HEMBB1000917
 C-HEMBB1002280
 C-MAMMA1000802
 C-MAMMA1001322//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD).//0.000000017//46aa//60%//
 P20931
 45 C-MAMMA1002597
 C-MAMMA1002868
 C-NT2RP2003161
 C-NT2RP2003339
 C-NT2RP3001282
 50 C-PLACE1001761
 C-PLACE1004491
 C-PLACE1004686
 C-PLACE1005574
 C-PLACE1006382
 55 C-PLACE1006792
 C-PLACE3000455
 C-PLACE4000230//Mus musculus semaphorin VIa mRNA, complete cds.//0//2567bp//88%//AF030430
 C-THYRO1000916

C-HEMBA1000327
 C-HEMBA1000637
 C-HEMBA1001967
 C-MAMMA1000266
 5 C-NT2RP2002979
 C-PLACE1007866
 C-PLACE3000350//SERINE/THREONINE-PROTEIN KINASE PAK-GAMMA (EC 2.7.1.-) (GAMMA-PAK)
 (P21-ACTIVATED KINASE 2) (PAK-2) (PAK65) (S6/H4 KINASE)//9.80E-25//155aa//45%//Q13177
 C-PLACE4000156//ZINC FINGER PROTEIN 132//7.10E-151//476aa//46%//P52740
 10 C-THYRO1001637
 C-MAMMA1002215
 C-MAMMA1002721
 C-NT2RP2002070

15 Homology search result 14.

[0334] Data obtained by the homology search for full-length nucleotide sequences and deduced amino acid sequences. In the result of the search shown below, both units, aa and bp, are used as length units for the sequences to be compared. Each data includes Clone name, Definition in matching data, P value, Length of sequence to be compared,
 20 Homology, and Accession number (No.) of matching data. These items are shown in this order, separated by a double-slash mark, //.

C-HEMBA1000005//DNAJ PROTEIN HOMOLOG MTJ1//1.90E-250//554aa//85%//061712
 C-HEMBA1000012//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE)
 25 (LEURS)//6.40E-99//457aa//45%//Q09996
 C-HEMBA1000020//Homo sapiens beta 2 gene//7.50E-264//1194bp//95%//X02344
 C-HEMBA1000030//Homo sapiens ARF GTPase-activating protein GIT1 mRNA, complete cds//0//1759bp//99%//
 AF124490
 C-HEMBA1000129//HYPOTHETICAL HEUCASE C8A4.08C IN CHROMOSOME I//3.80E-25//166aa//36%//
 30 Q09884
 C-HEMBA1000141//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds//0//1135bp//100%//
 AF196304
 C-HEMBA1000150//Homo sapiens putative RNA helicase mRNA, complete cds//5.20E-213//525bp//99%//
 AF085356
 35 C-HEMBA1000156//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M)//
 1.90E-12//368aa//24%//P08553
 C-HEMBA1000158//HEPATOCYTE NUCLEAR FACTOR 3-GAMMA (HNF-3G)//5.00E-16//166aa//36%//P35584
 C-HEMBA1000168//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE D)//2.90E-14//303aa//25%//P35662
 C-HEMBA1000185//RAS-RELATED PROTEIN RAL-A//3.40E-12//125aa//31%//P48555
 40 C-HEMBA1000201//Homo sapiens mRNA for integrase interactor 1b protein (INI1B)//0//1612bp//99%//AJ011738
 C-HEMBA1000216//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PRO-
 TEIN)//1.00E-86//146aa//56%//Q61221
 C-HEMBA1000303//Mus musculus Plenty of SH3s (POSH) mRNA, complete cds//7.10E-254//1440bp//87%//
 AF030131
 45 C-HEMBA1000304//Rattus norvegicus Ca²⁺-dependent activator protein (CAPS) mRNA, complete cds//5.10E-
 131//712bp//91%//U16802
 C-HEMBA1000307//CARNITINE DEFICIENCY-ASSOCIATED PROTEIN EXPRESSED IN VENTRICLE 1//5.20E-
 49//107aa//91%//O35594
 C-HEMBA1000333//Homo sapiens F-box protein Fbx21 (FBX21) mRNA, complete cds//0//1866bp//100%//
 50 AF174601
 C-HEMBA1000369//Homo sapiens mRNA for PICK1, complete cds//0//1949bp//98%//AB026491
 C-HEMBA1000411//ANKYRIN//5.70E-12//127aa//38%//Q02357
 C-HEMBA1000488//RING CANAL PROTEIN (KELCH PROTEIN)//3.30E-45//481aa//29%//Q04652
 C-HEMBA1000491//RAS-LIKE PROTEIN 2//2.00E-22//188aa//31%//P22279
 55 C-HEMBA1000518//PECANEX PROTEIN//2.10E-19//227aa//38%//P18490
 C-HEMBA1000523//TESTIS-SPECIFIC PROTEIN PBS13//2.40E-44//292aa//36%//Q01755
 C-HEMBA1000531//HEAT SHOCK 70 KD PROTEIN COGNATE 1 (HEAT SHOCK 70 KD PROTEIN 70C) (FRAG-
 MENTS)//2.60E-12//73aa//41%//P02826

EP 1 074 617 A2

C-HEMBA1000542//Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds.//2.20E-194//663bp//83%//D89340
C-HEMBA1000555//Mus musculus Msx2 interacting nuclear target protein mRNA, complete cds.//7.90E-226//1501bp//83%//AF156529
5 C-HEMBA1000561//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//3.40E-37//674aa//25 %//Q05481
C-HEMBA1000569//GPI-ANCHORED PROTEIN P137.//6.50E-19//265aabp//32%//Q60865
C-HEMBA1000588//Mus musculus FLI-LRR associated protein-1 mRNA, complete cds.//2.10E-144//602bp//77%//AF045573
10 C-HEMBA1000591//PTB-ASSOCIATED SPLICING FACTOR (PSF).//2.20E-17//198aa//40%//P23246
C-HEMBA1000592//Homo sapiens sorting nexin 6 (SNX6) mRNA, complete cds.//0//1465bp//99%//AF121856
C-HEMBA1000608//HYPOTHETICAL PROTEIN KIAA0411 (FRAGMENT).//1.80E-55//179aa//61%//O43295
C-HEMBA1000657//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//7.20E-156//1366bp//76%//U35776
15 C-HEMBA1000851//Homo sapiens DNA binding protein p96PIF mRNA, complete cds.//0//1862bp//99%//AF173868
C-HEMBA1000852//ARYLSULFATASE D PRECURSOR (EC 3.1.6.-) (ASD).//1.00E-78//119aa//87%//P51689
C-HEMBA1000910//MELANOMA-ASSOCIATED ANTIGEN B1 (MAGE-B1 ANTIGEN) (MAGE-XP ANTIGEN).//1.60E-30//127aa//40%//P43366
20 C-HEMBA1000919//HYPOTHETICAL 65.5 KD TRP-ASP REPEATS CONTAINING PROTEIN F02E8.5 IN CHROMOSOME X.//1.00E-10//288aa//23%//Q19124
C-HEMBA1001019//CELL DIVISION CONTROL PROTEIN 2 HOMOLOG (EC 2.7.1.-) (P34 PROTEIN KINASE) (CYCLIN-DEPENDENT KINASE 1) (CDK1).//3.10E-10//70aa//58%//P06493
C-HEMBA1001043//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID)(FRAGMENT).//1.40E-12//131aa//38%//Q01485
25 C-HEMBA1001059//Human N-acetylgalactosamine 6-sulphatase (GALNS) gene, exon 14.//4.80E-169//786bp//99%//U06088
C-HEMBA1001071//PROCOLLAGEN ALPHA 1(III) CHAIN PRECURSOR.//1.50E-92//82aa//100%//P02461
C-HEMBA1001077//Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds.//2.00E-80//432bp//94%//AF119043
30 C-HEMBA1001088//PINCH PROTEIN (PARTICULARLY INTERESTING NEW CYS-HIS PROTEIN).//3.50E-50//176aa//57%//P48059
C-HEMBA1001137//ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (KIAA0065)(HA0946) (FRAGMENT).//1.50E-116//197aa//58%//Q06730
35 C-HEMBA1001174//ADP-RIBOSYLATION FACTOR-LIKE PROTEIN 5.//6.80E-79//179aa//80%//P51646
C-HEMBA1001197//Homo sapiens rap2 interacting protein x.mRNA, complete cds.//0//1511bp//99%//AF112221
C-HEMBA1001257//Homo sapiens mRNA 2-methylacyl-CoA racemase.//0//1672bp//99%//AJ130733
C-HEMBA1001286//COMPLEMENT DECAY-ACCELERATING FACTOR PRECURSOR.//0.00000002//198aa//29%//Q60401
40 C-HEMBA1001302//Homo sapiens calcium binding protein precursor, mRNA, complete cds.//9.60E-258//682bp//94%//AF153686
C-HEMBA1001351//Homo sapiens VAMP-associated protein of 33 kDa (VAP-33) mRNA, complete cds.//1.40E-133//614bp//99%//AF057358
C-HEMBA1001387//GTP-BINDING PROTEIN TC10.//2.90E-64//104aa//82%//P17081
45 C-HEMBA1001405//Drosophila melanogaster eyelid (eld) mRNA, complete cds.//5.60E-25//863bp//60%//AF053091
C-HEMBA1001446//Homo sapiens rap2 interacting protein x mRNA, complete cds.//9.20E-55//719bp//68%//AF112221
C-HEMBA1001455//Mus musculus transposon-derived Buster2 transposase-like protein gene, partial cds.//4.20E-290//2008bp//81%//AF205599
50 C-HEMBA1001476//Human DNA topoisomerase II (top2) mRNA, complete cds.//1.60E-268//1213bp//100%//J04088
C-HEMBA1001510//CYCLIC-AMP-DEPENDENT TRANSCRIPTION FACTOR ATF-6 (FRAGMENT).//1.70E-16//63aa//61%//P18850
55 C-HEMBA1001526//PERIPLASMIC [FE] HYDROGENASE 1 (EC 1.18.99.1).//4.90E-37//399aa//29%//P29166
C-HEMBA1001569//SYNAPTOBREVIN 2 (VESICLE ASSOCIATED MEMBRANE PROTEIN 2) (VAMP-2).//2.30E-53//110aa//100%//P19065
C-HEMBA1001579//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//808bp//97%//AJ012449

- C-HEMBA1001595//SEPTIN 2 HOMOLOG (FRAGMENT)//4.90E-156//348aa//83%//Q14141
 C-HEMBA1001620//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS)//1.60E-166//506aa//60%//P42803
 C-HEMBA1001635//TESTIS SPECIFIC PROTEIN A (ZINC FINGER PROTEIN TSGA)//1.60E-10//155aa//28%//Q63679
 5 C-HEMBA1001651//CYTADHERENCE HIGH MOLECULAR WEIGHT PROTEIN 1 (CYTADHERENCE ACCESSORY PROTEIN 1)//6.20E-07//362aa//24%//Q50365
 C-HEMBA1001661//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN)//4.60E-36//365aa//33%//P33450
 10 C-HEMBA1001672//Homo sapiens methyl-CpG binding domain-containing protein MBD3 (MBD3) mRNA, complete cds//0//1707bp//98%//AF072247
 C-HEMBA1001675//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS9//5.40E-09//101aa//35%//P54787
 C-HEMBA1001714//Homo sapiens mRNA for ATPase inhibitor precursor, complete cds//3.70E-78//200bp//100%//AB029042
 15 C-HEMBA1001723//Homo sapiens G protein beta subunit mRNA, partial cds//3.10E-267//1212bp//99%//AF195883
 C-HEMBA1001734//CADHERIN-11 PRECURSOR (OSTEOBLAST-CADHERIN) (OBCADHERIN) (OSF-4)//1.10E-38//87aa//96%//P55288
 20 C-HEMBA1001744//SCY1 PROTEIN//9.90E-32//481aa//25%//P53009
 C-HEMBA1001746//Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds//7.60E-59//998bp//64%//AF098066
 C-HEMBA1001804//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds//0//1637bp//99%//AF125158
 25 C-HEMBA1001809//IMMEDIATE-EARLY PROTEIN IE180//3.80E-11//206aa//36%//P11675
 C-HEMBA1001819//ZINC FINGER PROTEIN 184 (FRAGMENT)//2.90E-135//459aa//52%//Q99676
 C-HEMBA1001822//Mus musculus Ese2L protein mRNA, complete cds//1.90E-235//1329bp//89%//AF132479
 C-HEMBA1001824//Homo sapiens nuclear protein NP94 mRNA, complete cds//1.40E-199//1180bp//89%//AF159025
 30 C-HEMBA1001847//ZINC FINGER PROTEIN 29 (ZFP-29)//7.60E-64//221aa//55%//Q07230
 C-HEMBA1001866//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT)//5.70E-51//234aa//41%//Q09332
 C-HEMBA1001869//TRITHORAX PROTEIN//9.60E-05//166aa//27%//P20659
 C-HEMBA1001896//DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR (EC 1.5.99.2) (ME2GLYDH)//9.30E-36//395aa//26%//Q63342
 35 C-HEMBA1001913//GCN20 PROTEIN//2.30E-81//158aa//50%//P43535
 C-HEMBA1001921//Homo sapiens germinal center kinase related protein kinase mRNA, complete cds//0//1850bp//99%//AF000145
 C-HEMBA1001967//Homo sapiens NY-REN-57 antigen mRNA, partial cds//0//1721bp//99%//AF155114
 40 C-HEMBA1002035//Homo sapiens BAZ1A mRNA for bromodomain adjacent to zinc finger domain 1A, complete cds//0//2149bp//99%//AB032252
 C-HEMBA1002092//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds//1.30E-271//1583bp//88%//U92703
 C-HEMBA1002102//ANKYRIN//4.40E-10//106aa//35%//Q02357
 45 C-HEMBA1002139//LIM AND SH3 DOMAIN PROTEIN LASP-1 (MLN 50)//7.10E-05//51aa//49%//Q14847
 C-HEMBA1002151//Rattus norvegicus p34 mRNA, complete cds//1.10E-153//1059bp//82%//AF178669
 C-HEMBA1002161//MYOSIN HEAVY CHAIN, CARDIAC MUSCLE BETA ISOFORM//1.40E-51//180aa//56%//P79293
 C-HEMBA1002177//TRANSCRIPTION FACTOR GATA-4 (GATA BINDING FACTOR-4)//6.00E-13//190aa//36%//P43694
 50 C-HEMBA1002212//TYROSINE-PROTEIN KINASE-2 (EC 2.7.1.112) (FRAGMENT)//3.00E-17//267aa//29%//P18161
 C-HEMBA1002215//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)]//2.20E-199//392aa//89%//P47226
 C-HEMBA1002241//PROLIFERATING-CELL NUCLEOLAR ANTIGEN P120 (PROLIFERATION-ASSOCIATED NUCLEOLAR PROTEIN P120)//3.70E-06//95aa//33%//P46087
 55 C-HEMBA1002267//Sus scrofa decorin mRNA, complete cds//1.10E-46//302bp//90%//AF125537
 C-HEMBA1002341//P53-BINDING PROTEIN 2 (53BP2) (FRAGMENT)//3.80E-55//109aa//96%//Q62415
 C-HEMBA1002363//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds//0//

- 1847bp//99%//AF092563
 C-HEMBA1002417//mGHT JUNCTION PROTEIN ZO-1 (TIGHT JUNCTION PROTEIN 1)//1.00E-121//489aa//52%//P39447
 C-HEMBA1002419//TRICHOHYALIN//1.90E-09//299aa//24%//P22793
 5 C-HEMBA1002458//OVARIAN GRANULOSA CELL 13.0 KD PROTEIN HGR74//4.20E-24//109aa//55%//Q00994
 C-HEMBA1002469//DXS8237E PROTEIN (FRAGMENT)//3.50E-50//199aa//61%//P98175
 C-HEMBA1002475//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//1.10E-12//285aa//31%//P17437
 C-HEMBA1002495//LIGHT-MEDIATED DEVELOPMENT PROTEIN DET1//6.80E-53//257aa//36%//P48732
 10 C-HEMBA1002513//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//0//2432bp//99%//AJ011972
 C-HEMBA1002547//Homo sapiens agrin precursor mRNA, partial cds//0//1605bp//97%//AF016903
 C-HEMBA1002555//Homo sapiens mSin3A associated polypeptide p30 mRNA, complete cds//5.30E-51//768bp//68%//AF055993
 15 C-HEMBA1002569//Homo sapiens protein associated with Myc mRNA, complete cds//6.80E-305//951bp//99%//AF075587
 C-HEMBA1002746//DNA POLYMERASE BETA (EC 2.7.7.7)//5.00E-37//268aa//34%//P06746
 C-HEMBA1002768//Mus musculus formin binding protein 17 mRNA, partial cds//7.80E-237//1522bp//85%//AB011126
 20 C-HEMBA1002770//Rattus norvegicus mRNA for TIP120, complete cds//2.90E-176//1024bp//88%//D87671
 C-HEMBA1002777//Fugu rubripes BAW (BAW) mRNA, complete cds//3.40E-54//319bp//76%//AF153879
 C-HEMBA1002810//Homo sapiens formin binding protein 21 mRNA, complete cds//8.2e-314//1437bp//99%//AF071185
 C-HEMBA1002818//Homo sapiens mRNA for fibulin-4//2.00E-304//1383bp//99%//AJ132819
 25 C-HEMBA1002876//HYPOTHETICAL 26.4 KD PROTEIN EEED8.8 IN CHROMOSOME n//1.50E-44//188aa//52%//Q09297
 C-HEMBA1002935//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//1.30E-15//371aa//25%//Q05481
 C-HEMBA1002939//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN)//2.00E-34//300aa//34%//P16157
 30 C-HEMBA1002951//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110)//4.40E-06//324aa//24%//P32380
 C-HEMBA1002973//CAMP-DEPENDENT 3',5'-CYCLIC PHOSPHODIESTERASE 4B (EC 3.1.4.17) (DPDE4)//1.20E-27//63aa//100%//P14646
 35 C-HEMBA1002997//CENTROMERIC PROTEIN E (CENP-E PROTEIN)//3.80E-25//534aa//24%//Q02224
 C-HEMBA1002999//Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds//1.40E-171//1552bp//75%//U20286
 C-HEMBA1003046//Homo sapiens mitochondrial processing peptidase beta-subunit mRNA//0//1558bp//99%//AF054182
 40 C-HEMBA1003071//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN COMPLEX ACID LABILE CHAIN PRECURSOR (ALS)//1.30E-09//121aa//40%//P35858
 C-HEMBA1003077//SLIT PROTEIN PRECURSOR//2.60E-15//199aa//31%//P24014
 C-HEMBA1003096//Mouse 19.5 mRNA, complete cds//5.60E-117//1139bp//72%//M32486
 C-HEMBA1003098//Homo sapiens NY-REN-6 antigen mRNA, partial cds//6.20E-273//1253bp//99%//AF155096
 45 C-HEMBA1003136//MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (ATP-MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE) (NDP-HEXOSE PYROPHOSPHORYLASE)//8.50E-51//221aa//33%//P41940
 C-HEMBA1003148//Homo sapiens mRNA for dachshund protein//0//1583bp//99%//AJ005670
 C-HEMBA1003179//PROBABLE TRNA (5-METHYLAMINOMETHYL-2-THIOURIDYLATE)-METHYLTRANSFERASE (EC 2.1.1.61)//5.90E-74//134aa//53%//P44551
 50 C-HEMBA1003199//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds//8.50E-87//285bp//90%//AF129534
 C-HEMBA1003235//TROPOMYOSIN//2.30E-06//109aa//33%//Q02088
 C-HEMBA1003250//PROTEIN KINASE APK1A (EC 2.7.1.-)//7.20E-41//245aa//42%//Q06548
 55 C-HEMBA1003281//POLIOVIRUS RECEPTOR PRECURSOR//6.00E-11//239aa//32%//P32506
 C-HEMBA1003286//Homo sapiens mRNA for beta-1,4-galactosyltransferase IV, complete cds//5.40E-229//1043bp//99%//AB024436
 C-HEMBA1003291//SNF1-RELATED PROTEIN KINASE KIN10 (EC 2.7.1.-) (AKIN10)//7.6.20E-28//126aa//51%//

- Q38997
 C-HEMBA1003369//CENTROMERIC PROTEIN E (CENP-E PROTEIN)//2.00E-08//248aa//23%/Q02224
 C-HEMBA1003408//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (VERSION 1)//
 7.80E-13//297aa//30%/P18616
 5 C-HEMBA1003417//Homo sapiens BAG-family molecular chaperone regulator-2 mRNA, complete cds//1.50E-
 255//1179bp//99%/AF095192
 C-HEMBA1003418//TRICHOHYALIN//8.70E-19//281aa//31%/P37709
 C-HEMBA1003433//Homo sapiens gene for NBS1, complete cds//0//511bp//94%/AB013139
 C-HEMBA1003538//COMPLEMENT C1R COMPONENT PRECURSOR (EC 3.4.21.41)//2.40E-110//242aa//
 10 58%/P00736
 C-HEMBA1003545//INSULIN GENE ENHANCER PROTEIN ISL-2 (TSLET-2)//8.80E-189//360aa//96%/P50480
 C-HEMBA1003555//NUCLEOTIDE-BINDING PROTEIN (NBP)//2.10E-68//251aa//52%/P53384
 C-HEMBA1003560//GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-2 SUBUNIT (G GAM-
 MA-I)//1.20E-31//71aa//100%/P16874
 15 C-HEMBA1003568//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A))//
 7.90E-49//279aa//32%/P19474
 C-HEMBA1003569//METASTASIS-ASSOCIATED PROTEIN MTA1//6.90E-206//445aa//74%/Q13330
 C-HEMBA1003581//TALIN//4.40E-45//52aa//98%/P26039
 C-HEMBA1003591//CHLOROPLAST 28 KD RIBONUCLEOPROTEIN PRECURSOR (28RNP)//4.40E-10//
 20 118aa//35%/P19682
 C-HEMBA1003615//Homo sapiens ART-4 mRNA, complete cds//0//1713bp//99%/AB026125
 C-HEMBA1003617//Homo sapiens ubiquitin-like product Chap1/Dsk2 mRNA, complete cds//6.90E-178//501bp//
 97%/AB015344
 C-HEMBA1003645//TIPD PROTEIN//2.40E-10//289aa//23%/O15736
 25 C-HEMBA1003662//TBX2 PROTEIN (T-BOX PROTEIN 2)//1.20E-75//151aa//99%/Q13207
 C-HEMBA1003679//SIALIDASE (EC 3.2.1.18) (NEURAMINIDASE) (NA) (MAJOR SURFACE ANTIGEN)//1.00E-
 09//611aa//22%/P23253
 C-HEMBA1003680//PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III (EC 3.4.11.-)//2.40E-92//
 423aa//47%/P34629
 30 C-HEMBA1003684//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN)//2.00E-73//526aa//32%/Q13105
 C-HEMBA1003690//HISTONE DEACETYLASE HDA1//2.10E-59//249aa//47%/P53973
 C-HEMBA1003742//Homo sapiens cleft lip and palate transmembrane protein 1 (CLPTM1) mRNA, complete cds//
 1.70E-44//501bp//67%/AF037339
 C-HEMBA1003760//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN)
 35 (MEMBER OF PAS PROTEIN 1) (MOP1) (HIF1 ALPHA)//3.70E-124//347aa//55%/Q16665
 C-HEMBA1003773//Mus musculus signal recognition particle receptor beta subunit mRNA, complete cds//5.80E-
 81//511bp//86%/U17343
 C-HEMBA1003783//Mus musculus bromodomain-containing protein BP75 mRNA, complete cds//1.10E-190//
 1204bp//84%/AF084259
 40 C-HEMBA1003805//Mus musculus KH domain RNA binding protein QKI-5A mRNA, complete cds//0//988bp//
 95%/AF090402
 C-HEMBA1003836//MOB1 PROTEIN (MPS1 BINDER 1)//8.10E-31//134aa//52%/P40484
 C-HEMBA1003866//Mus musculus semaphorin VIa mRNA, complete cds//1.20E-105//1192bp//70%/AF030430
 C-HEMBA1003953//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT)//3.80E-16//
 45 89aa//46%/P16372
 C-HEMBA1004097//Mus musculus putative transcription factor mRNA, complete cds//8.50E-221//1188bp//78%/
 AF091234
 C-HEMBA1004131//SEPTIN 2 HOMOLOG (FRAGMENT)//1.60E-166//416aa//72%/Q14141
 C-HEMBA1004168//Homo sapiens geminin mRNA, complete cds//3.90E-208//951 bp//99%/AF067855
 50 C-HEMBA1004199//HYPOTHETICAL HELICASE K12H4.8 IN CHROMOSOME III//8.40E-60//243aa//39%/P
 34529
 C-HEMBA1004202//RAS-RELATED PROTEIN RAB-13//6.20E-30//208aa//37%/P51153
 C-HEMBA1004203//NUCLEOLAR PROTEIN NOP2//1.50E-12//258aa//29%/P40991
 C-HEMBA1004207//Homo sapiens leptin receptor short form (db) mRNA, complete cds//0//1892bp//99%/U50748
 55 C-HEMBA1004227//Rattus norvegicus protein phosphatase 2C mRNA, complete cds//5.70E-217//1217bp//88%/
 AF095927
 C-HEMBA1004248//INSULIN-INDUCED GROWTH RESPONSE PROTEIN CL-6 (IMMEDIATE-EARLY PROTEIN
 CL-6)//2.00E-43//98aa//84%/Q08755

- C-HEMBA1004275//Homo sapiens PHD-finger protein (GRC5) mRNA, complete cds.//1.10E-152//1403bp//69%//AF043725
- C-HEMBA1004276//Homo sapiens AP-4 adaptor complex beta4 subunit mRNA, complete cds.//4.80E-257//738bp//99%//AF092094
- 5 C-HEMBA1004286//Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds.//0//1982bp//99%//AF022795
- C-HEMBA1004295//Homo sapiens NY-REN-25 antigen mRNA, partial cds.//9.40E-31//381bp//65%//AF155103
- C-HEMBA1004321//ZINC FINGER PROTEIN 184 (FRAGMENT)//2.30E-93//357aa//42%//Q99676
- C-HEMBA1004353//C-MYC BINDING PROTEIN MM-1.//3.00E-71//89aa//96%//Q99471
- 10 C-HEMBA1004354//CHL1 PROTEIN.//9.90E-26//130aa//42%//P22516
- C-HEMBA1004356//H.sapiens MSSP-2 mRNA.//3.00E-243//573bp//98%//X77494
- C-HEMBA1004389//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0//1437bp//99%//AF125158
- C-HEMBA1004408//PEPTIDYL-PROLYL CIS-TRANS ISOMERASE 10 (EC 5.2.1.8) (PPIASE) (ROTAMASE) (CYCLOPHILIN-10).//3.20E-32//148aa//52%//P52017
- 15 C-HEMBA1004479//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN).//3.10E-51//152aa//40%//Q61221
- C-HEMBA1004499//Homo sapiens delta-tubulin mRNA, complete cds.//3.40E-92//483bp//95%//AF201333
- C-HEMBA1004509//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUITOUS NUCLEAR PROTEIN HOMOLOG).//2.70E-12//200aa//28%//Q13107
- 20 C-HEMBA1004534//Homo sapiens gamma-filamin (ABPL) mRNA, complete cds.//1.2E-316//1445bp//99%//AF089841
- C-HEMBA1004573//Homo sapiens mRNA for HELG protein.//2.00E-59//483bp//68%//AJ277291
- 25 C-HEMBA1004604//Homo sapiens COP9 complex subunit 7a mRNA, complete cds.//0//1612bp//99%//AF193844
- C-HEMBA1004669//SON PROTEIN (SON3).//7.30E-17//288aa//36%//P18583
- C-HEMBA1004697//MYOSIN HEAVY CHAIN, SMOOTH MUSCLE ISOFORM (SMMHC) (FRAGMENT).//2.90E-05//303aa//21%//P35749
- C-HEMBA1004734//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//9.90E-39//143aa//52%//P42743
- 30 C-HEMBA1004752//Homo sapiens mRNA for LAK-4p, complete cds.//4.60E-109//650bp//89%//AB002405
- C-HEMBA1004756//Human transporter protein (g17) mRNA, complete cds.//9.10E-34//515bp//66%//U49082
- C-HEMBA1004758//Homo sapiens transcription factor SL1 mRNA, complete cds.//2.60E-246//1249bp//94%//L39060
- 35 C-HEMBA1004768//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//5.40E-111//314aa//58%//P08547
- C-HEMBA1004795//CDC4-UKE PROTEIN (FRAGMENT).//3.80E-69//198aa//66%//P50851
- C-HEMBA1004847//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//8.20E-154//317aa//94%//Q00004
- C-HEMBA1004889//Human C3f mRNA, complete cds.//6.70E-24//341aapb//26%//U72515
- 40 C-HEMBA1004929//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//2.50E-05//148aa//24%//P25386
- C-HEMBA1004930//26S PROTEASOME SUBUNIT S5B (KIAA0072) (HA1357).//3.30E-27//65aa//100%//Q16401
- C-HEMBA1004972//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEURO FILAMENT PROTEIN) (NF-H).//0.00000096//286aa//23%//P12036
- 45 C-HEMBA1004973//ZINC-BINDING PROTEIN A337/4.10E-08//121aa//33%//Q02084
- C-HEMBA1005009//Homo sapiens BAF53a (BAF53a) mRNA, complete cds.//0//1813bp//99%//AF041474
- C-HEMBA1005029//Homo sapiens CGI-13 protein mRNA, complete cds.//0//1487bp//99%//AF132947
- C-HEMBA1005047//RAS-RELATED PROTEIN RAB-24 (RAB-16).//3.40E-101//106aa//98%//P35290
- C-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds.//0//2762bp//99%//AF080561
- 50 C-HEMBA1005201//Homo sapiens CGI-07 protein mRNA, complete cds.//0//1608bp//99%//AF132941
- C-HEMBA1005202//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//1.90E-179//361aa//95%//Q00004
- C-HEMBA1005206//Drosophila simulans anon73Bl gene and Su(P) gene.//1.90E-11//376bp//63%//AJ250308
- 55 C-HEMBA1005219//NUCLEAR PROTEIN SNF7.//5.30E-10//189aa//25%//P39929
- C-HEMBA1005338//Homo sapiens mRNA for matrilin-4, partial.//3.90E-241//1095bp//99%//AJ007581
- C-HEMBA1005359//ZINC FINGER PROTEIN 137.//3.90E-85//206aa//69%//P52743
- C-HEMBA1005367//Homo sapiens melastatin 1 (MLSN1) mRNA, complete cds.//9.00E-77//620bp//74%//

- AF071787
C-HEMBA1005394//Mus musculus pantothenate kinase 1 beta (panK1beta) mRNA, complete cds.//3.90E-126//1097bp//75%//AF200357
- 5 C-HEMBA1005423//Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds.//2.00E-213//537bp//99%//AF041248
- C-HEMBA1005513//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-)//1.90E-129//332aa//61%//O02193
- C-HEMBA1005528//CCR4-ASSOCIATED FACTOR 1 (CAF1).//3.10E-154//285aa//99%//Q60809
- C-HEMBA1005530//Homo sapiens anaphase-promoting complex subunit 7 (APC7) mRNA, complete cds.//0//1578bp//98%//AF191340
- 10 C-HEMBA1005548//Homo sapiens MAFB/Kreisler basic region/leucine zipper transcription factor (MAFB) mRNA, complete cds.//1.00E-220//1014bp//99%//AF134157
- C-HEMBA1005558//NUCLEAR PROTEIN SNF7.//6.40E-16//170aa//31%//P39929
- C-HEMBA1005576//Mus musculus mRNA for plexin 2, complete cds.//1.20E-122//870bp//82%//D86949
- C-HEMBA1005581//Homo sapiens SLIT2 (SLIL2) mRNA, complete cds.//0//1721bp//100%//AF133270
- 15 C-HEMBA1005582//TROPOMYOSIN 1, NON-MUSCLE ISOFORM (TROPOMYOSIN II) (CYTOSKELETAL TROPOMYOSIN).//0.00000009//213aa//27%//P09492
- C-HEMBA1005595//DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC).//2.30E-54//562aa//29%//P34036
- C-HEMBA1005621//Homo sapiens Mad2-like protein mRNA, complete cds.//8.00E-211//962bp//99%//AF072933
- C-HEMBA1005666//Homo sapiens mRNA for DIPB protein.//8.60E-147//685bp//99%//AJ249128
- 20 C-HEMBA1005699//EPHRIN-B3 PRECURSOR (EPH-RELATED RECEPTOR TYROSINE KINASE LIGAND 8) (LERK-8) (EPH-RELATED RECEPTOR TRANSMEMBRANE LIGAND ELK-L3).//2.10E-37//98aa//81%//Q15768
- C-HEMBA1005737//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT).//4.40E-17//167aa//34%//P25296
- C-HEMBA1005815//CALPAIN, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM- ACTIVATED NEUTRAL PROTEINASE) (CANP) (MU/M-TYPE).//2.00E-36//342aa//33%//P00789
- 25 C-HEMBA1005931//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//5.60E-15//76aa//51%//P51522
- C-HEMBA1005990//Homo sapiens l-1 receptor candidate protein mRNA, complete cds.//0//2371bp//100%//AF082516
- 30 C-HEMBA1006031//Homo sapiens mRNA for putative phospholipase, complete cds.//0//1413bp//99%//AB019435
- C-HEMBA1006038//LAMININ ALPHA-5 CHAIN (FRAGMENT).//3.10E-33//81aa//64%//Q61001
- C-HEMBA1006067//Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds.//8.20E-12//297bp//64%//AF098066
- C-HEMBA1006130//SEL-10 PROTEIN.//0.000000043//219aa//25%//Q93794
- 35 C-HEMBA1006158//Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds.//0//155 lbp//99%//AF048693
- C-HEMBA1006198//PROLINE-RICH PROTEIN MP-2 PRECURSOR.//1.90E-19//215aa//39%//P05142
- C-HEMBA1006248//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT).//8.60E-23//151aa//37%//P16372
- 40 C-HEMBA1006253//DNA-DAMAGE-REPAIR/TOLERATION PROTEIN DRT111 PRECURSOR.//0.00000002//62aa//53%//P42698
- C-HEMBA1006268//Homo sapiens HQ0024c mRNA, complete cds.//3.50E-157//845bp//92%//AF073836
- C-HEMBA1006272//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-)//1.30E-123//200aa//73%//P10265
- C-HEMBA1006278//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE).//1.00E-210//490aa//77%//P25500
- 45 C-HEMBA1006283//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB2.//0.000000012//176aa//30%//P32505
- C-HEMBA1006291//2-ARYLPROPIONYL-COA EPIMERASE (EC 5.-.-.-)//4.20E-12//215aa//23%//P70473
- C-HEMBA1006309//Homo sapiens aspartyl aminopeptidase mRNA, complete cds.//5.30E-169//774bp//100%//AF005050
- 50 C-HEMBA1006310//Rattus norvegicus cytosolic sorting protein PACS-1a (PACS-1) mRNA, complete cds.//3.70E-225//1189bp//88%//AF076183
- C-HEMBA1006344//RADIXIN.//1.50E-31//333aa//28%//P26043
- C-HEMBA1006347//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-)//1.60E-130//332aa//62%//O02193
- 55 C-HEMBA1006359//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//3.50E-105//381aa//54%//P28160
- C-HEMBA1006398//Human L1 element L1.6 putative pi 50 gene, complete cds.//2.00E-277//1729bp//85%//U93563
- C-HEMBA1006445//Homo sapiens putative tumor supressor NOEY2 mRNA, complete cds.//1.40E-270//1224bp//

- 100%//U96750
 C-HEMBA1006474//40 KD PROTEIN//1.40E-39//292aa//34%//Q01552
 C-HEMBA1006485//PUROMYCIN-SENSITIVE AMINOPEPTIDASE (EC 3.4.11.-) (PSA)//1.90E-81//153aa//97%//P55786
- 5 C-HEMBA1006507//DIAPHANOUS PROTEIN HOMOLOG 2//1.40E-46//316aa//32%//O60879
 C-HEMBA1006521//3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE (EC 1.1.1.100) (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE)//4.00E-33//177aa//42%//P25716
 C-HEMBA1006559//Mus musculus PRAJA1 (Praja1) mRNA, complete cds//2.80E-206//1107bp//83%//U06944
 C-HEMBA1006583//Drosophila melanogaster Scribble (scrib) mRNA, complete cds//1.70E-63//1002bp//65%//AF190774
- 10 C-HEMBA1006624//DNA/PANTOTHENATE METABOLISM FLAVOPROTEIN HOMOLOG//0.00000069//109aa//38%//Q58323
 C-HEMBA1006650//ARP2/3 COMPLEX 20 KD SUBUNIT (P20-ARC)//9.00E-40//113aa//82%//O15509
 C-HEMBA1006652//60S RIBOSOMAL PROTEIN L7//2.40E-44//206aa//47%//P14148
- 15 C-HEMBA1006708//HYPOTHETICAL 46.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMC1-TFG2 INTERGENIC REGION//3.30E-22//241aa//31%//P53196
 C-HEMBA1006737//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID) (FRAGMENT)//0.000000043//111aa//40%//Q01485
 C-HEMBA1006758//Homo sapiens protocadherin beta 13 (PCDH-beta13) mRNA, complete cds//0//1832bp//91%//AF152492
- 20 C-HEMBA1006807//Homo sapiens mRNA for SPOP//5.70E-125//1109bp//75%//AJ000644
 C-HEMBA1006877//OXYSTEROL-BINDINGPROTEIN//2.00E-59//378aa//39%//P16258
 C-HEMBA1006885//Homo sapiens gene for Proline synthetase associated, complete cds//0//1467bp//96%//AB018566
- 25 C-HEMBA1006914//Human anthracycline-associated resistance ARX mRNA, complete cds//0//1837bp//99%//U35832
 C-HEMBA1006941//Homo sapiens PKCq-interacting protein PICOT (PICOT) mRNA, complete cds//2.10E-271//1234bp//99%//AF118649
 C-HEMBA1006973//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//5.60E-143//740bp//94%//AF004828
- 30 C-HEMBA1006976//H.sapiens mRNA for Gal-beta(1-3/4)GlcNAc alpha-2.3-sialyltransferase//1.90E-80//447bp//89%//X74570
 C-HEMBA1007018//DYNEIN LIGHT INTERMEDIATE CHAIN 1, CYTOSOLIC (UC57/59) (DYNEIN LIGHT CHAIN A) (DLC-A)//2.40E-188//391aa//89%//Q90828
- 35 C-HEMBA1007087//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT)//8.30E-27//253aa//30%//Q10568
 C-HEMBA1007121//Homo sapiens bisphosphate 3'-nucleotidase mRNA, complete cds//1.70E-252//1118bp//92%//AF125042
 C-HEMBA1007151//Homo sapiens synphilin 1 mRNA, complete cds//0//1900bp//99%//AF076929
- 40 C-HEMBA1007174//Homo sapiens epsin 2b mRNA, complete cds//3.80E-271//642bp//99%//AF062085
 C-HEMBA1007194//Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds//0//1588bp//99%//AF139658
 C-HEMBA1007224//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds//0//1590bp//99%//AF196304
- 45 C-HEMBA1007243//Chinese hamster hprt mRNA, complete cds//2.00E-58//650bp//70%//J00060
 C-HEMBA1007251//Homo sapiens F-box protein FBX29 (FBX29) mRNA, partial cds//5.00E-58//330bp//95%//AF176707
 C-HEMBA1007300//Homo sapiens 3',5'-cyclic nucleotide phosphodiesterase 10A1 (PDE10A) mRNA, splice variant 1, complete cds//0//1519bp//99%//AF127479
- 50 C-HEMBA1007301//COLLAGEN ALPHA 1(III) CHAIN (FRAGMENT)//6.20E-18//115aa//33%//P13941
 C-HEMBA1000036//Homo sapiens CGI-51 protein mRNA, complete cds//0//1665bp//99%//AF151809
 C-HEMBA1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//2.80E-187//1582bp//80%//AF084928
- 55 C-HEMBA1000083//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN]//1.90E-22//426aa//25%//P11799
 C-HEMBA1000119//Homo sapiens ASMTL gene//0//1891bp//99%//Y15521
 C-HEMBA1000144//GUANYLATE CYCLASE ACTIVATING PROTEIN 2 (GCAP 2) (RETINAL GUANYLYL CYCLASE ACTIVATOR PROTEIN P24)//1.40E-24//71aa//77%//P51177

- C-HEM BB1000217//Homo sapiens SUMO-1-activating enzyme E1 N subunit (SUA1) mRNA, complete cds.//0//1038bp//99%//AF090385
- C-HEM BB1000226//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE EEEDB.5//2.70E-12//112aa//47%//Q09530
- 5 C-HEM BB1000264//CHL1 PROTEIN.//9.50E-19//104aa//45%//P22516
- C-HEM BB1000266//HYPOTHETICAL 54.5 KD TRP-ASP REPEATS CONTAINING PROTEIN ZC302.2 IN CHROMOSOME V.//6.10E-09//242aa//26%//Q23256
- C-HEM BB1000317//FIBULIN-1, ISOFORM D PRECURSOR.//7.10E-62//458aa//35%//P37888
- 10 C-HEM BB1000593//Homo sapiens transferrin receptor 2 alpha (TFR2) mRNA, complete cds.//1.30E-107//503bp//99%//AF067864
- C-HEM BB1000631//LONGEVITY-ASSURANCE PROTEIN 1 (LONGEVITY ASSURANCE FACTOR 1).//4.10E-19//232aa//28%//P78970
- C-HEM BB1000632//GUANINE NUCLEOTIDE RELEASING PROTEIN (GNRP).//2.20E-28//273aa//31%//P27671
- C-HEM BB1000693//Homo sapiens neuroan1 mRNA, complete cds.//0//2952bp//94%//AF040723
- 15 C-HEM BB1000725//Rattus norvegicus GTPase Rab8b (Rab8b) mRNA, complete cds.//6.20E-130//692bp//93%//U53475
- C-HEM BB1000763//Homo sapiens CGI-89 protein mRNA, complete cds.//0//1676bp//96%//AF151847
- C-HEM BB1000781//Homo sapiens mitogen-activated protein kinase kinase kinase MEKK2 mRNA, complete cds.//1.20E-126//613bp//97%//AF111105
- 20 C-HEM BB1000789//PUTATIVE 90.2 KD ZINC FINGER PROTEIN IN CCA1-ADK2 INTERGENIC REGION.//5.10E-54//232aa//43%//P39956
- C-HEM BB1000831//Homo sapiens breast cancer nuclear receptor-binding auxiliary protein (BRX) mRNA, complete cds.//5.80E-60//301bp//99%//AF126008
- C-HEM BB1000915//SUBTILISIN-LIKE PROTEASE PACE4 PRECURSOR (EC 3.4.21.-).//1.10E-08//129aa//31%//P29122
- 25 C-HEM BB1000927//Homo sapiens A-type potassium channel modulatory protein 2 (KCHIP2) mRNA, complete cds.//1.30E-126//592bp//99%//AF199598
- C-HEM BB1000947//Homo sapiens clone HAW100 putative ribonuclease III mRNA, complete cds.//0//2292bp//99%//AF116910
- 30 C-HEM BB1000973//Mus musculus schlafen3 (Slfn3) mRNA, complete cds.//3.40E-120//580bp//67%//AF099974
- C-HEM BB1000985//MIPP PROTEIN (MURINE IAP-PROMOTED PLACENTA-EXPRESSED PROTEIN).//8.60E-18//178aa//30%//P28575
- C-HEM BB1001011//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.40E-73//230aa//45%//P51523
- 35 C-HEM BB1001056//PROLIFERATING-CELL NUCLEOLAR ANTIGEN P120 (PROLIFERATION-ASSOCIATED NUCLEOLAR PROTEIN P120).//2.90E-19//264aa//34%//P46087
- C-HEM BB1001058//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds.//3.60E-52//331bp//80%//AF010144
- C-HEM BB1001068//Homo sapiens liprin-beta2 mRNA, partial cds.//2.40E-307//1447bp//97%//AF034803
- 40 C-HEM BB1001112//Homo sapiens sec61 homolog mRNA, complete cds.//6.00E-145//961 bp//83 %//AF077032
- C-HEM BB1001137//Homo sapiens mRNA for putative phospholipase, complete cds.//0//3069bp//99%//AB019435
- C-HEM BB1001151//Rattus norvegicus golgi stacking protein homolog GRASP55 mRNA, complete cds.//4.20E-210//1835bp//76%//AF110267
- C-HEM BB1001175//ANKYRIN.//7.00E-11//169aa//31%//Q02357
- 45 C-HEM BB1001234//65 KD YES-ASSOCIATED PROTEIN (YAP65).//5.40E-93//196aa//54%//P46938
- C-HEM BB1001242//Homo sapiens topoisomerase-related function protein (TRF4-2) mRNA, partial cds.//1.80E-284//713bp//100%//AF089897
- C-HEM BB1001282//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//7.00E-43//394aa//34%//P16157
- 50 C-HEM BB1001288//COPPER HOMEOSTASIS PROTEIN CUTC.//7.80E-46//163aa//51%//P46719
- C-HEM BB1001294//GTP-BINDING PROTEIN TC10.//1.20E-79//196aa//80%//P17081
- C-HEM BB1001314//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.//1.30E-129//724bp//86%//U92703
- C-HEM BB1001331//Mus musculus mRNA for hepatoma-derived growth factor, complete cds, strain:BALB/c.//2.10E-65//458bp//79%//D63850
- 55 C-HEM BB1001339//DXS8237E PROTEIN (FRAGMENT).//4.60E-06//124aa//37%//P98175
- C-HEM BB1001346//Homo sapiens phenylalanine-tRNA synthetase (FARS1) mRNA, nuclear gene encoding mitochondrial protein, complete cds.//1.10E-58//292bp//99%//AF097441

- C-HEM BB1001384//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1586bp//99%//AF100757
 C-HEM BB1001429//Homo sapiens leucine aminopeptidase mRNA, complete cds.//0//1933bp//99%//AF061738
 C-HEM BB1001443//Rattus norvegicus pyruvate dehydrogenase phosphatase isoenzyme 1 mRNA, complete cds.//3.00E-130//553bp//86%//AF062740
 5 C-HEM BB1001482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.10E-57//941aa//27%//Q05481
 C-HEM BB1001562//CYLICIN II (MULTIPLE-BAND POLYPEPTIDE II).//1.40E-06//373aa//21%//Q28092
 C-HEM BB1001564//VACUOLAR ATP SYNTHASE SUBUNIT H (EC 3.6.1.34) (V-ATPASE H SUBUNIT) (V-ATPASE M9.2 SUBUNIT) (9.2 KD MEMBRANE ACCESSORY PROTEIN).//9.60E-32//80aa//78%//O15342
 10 C-HEM BB1001673//Homo sapiens gene for new zinc finger protein, complete cds.//0//1919bp//99%//AB012770
 C-HEM BB1001736//EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 (EIF3 P116) (EIF3 P110).//4.60E-15//391aa//25%//P55884
 C-HEM BB1001749//TRANSCRIPTIONAL ACTIVATOR GCN5.//1.70E-16//84aa//47%//Q03330
 C-HEM BB1001802//Human desmin mRNA, complete cds.//0//1523bp//98%//U59167
 15 C-HEM BB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds.//0//1514bp//99%//AF056209
 C-HEM BB1001839//GASTRULA ZINC FINGER PROTEIN XLCGF42.1 (FRAGMENT).//6.90E-11//87aa//35%//P18720
 C-HEM BB1001871//BONE/CARTILAGE PROTEOGLYCAN I PRECURSOR (BIGLYCAN) (PG-S1).//5.40E-75//241aa//48%//P47853
 20 C-HEM BB1001872//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR) (CELL SURFACE GLYCOPROTEIN F4/80).//1.90E-22//210aa//27%//Q61549
 C-HEM BB1001905//TRICHOHYALIN.//2.10E-10//268aa//27%//P37709
 C-HEM BB1001908//Human monocytic leukaemia zinc finger protein (MOZ) mRNA, complete cds.//1.60E-131//874bp//86%//U47742
 25 C-HEM BB1001915//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME 64E).//6.90E-132//561aa//50%//Q24574
 C-HEM BB1001950//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.1.1.1) (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).//1.60E-41//370aa//31%//P54304
 30 C-HEM BB1002042//CYTOCHROME P450 4C1 (EC 1.14.14.1) (CYP1VC1).//2.70E-49//139aa//55%//P29981
 C-HEM BB1002044//Mus musculus mRNA for vascular cadherin-2.//0//3562bp//81%//Y08715
 C-HEM BB1002134//ZINC-FINGER PROTEIN NEURO-D4.//8.10E-56//176aa//67%//P56163
 C-HEM BB1002193//TYROSINE-PROTEIN KINASE RECEPTOR TYRO3 PRECURSOR (TYROSINE-PROTEIN KINASE RSE) (TYROSINE-PROTEIN KINASE DTK) (TK19-2).//8.70E-61//77aa//74%//P55144
 35 C-HEM BB1002217//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.10E-132//399aa//44%//Q05481
 C-HEM BB1002266//NEURONAL PROTEIN.//2.10E-46//121aa//76%//P41737
 C-HEM BB1002342//Homo sapiens PKCq-interacting protein PICOT (PICOT) mRNA, complete cds.//1.50E-229//1045bp//99%//AF118649
 40 C-HEM BB1002442//LIN-10 PROTEIN.//9.70E-14//121aa//31%//P34692
 C-HEM BB1002477//Human Grb2-associated binder-1 mRNA, complete cds.//7.70E-258//774bp//99%//U43885
 C-HEM BB1002510//GYP7 PROTEIN.//3.10E-50//192aa//42%//P48365
 C-HEM BB1002550//HYPOTHETICAL UOG-1 PROTEIN.//5.00E-28//266aa//33%//P27544
 45 C-HEM BB1002600//Homo sapiens tetraspan NET-5 mRNA, complete cds.//0//1417bp//99%//AF089749
 C-HEM BB1002607//Homo sapiens vitamin D3 receptor interacting protein (DRIP80) mRNA, complete cds.//2.00E-136//660bp//98%//AF105421
 C-HEM BB1002705//Homo sapiens CGI-27 protein mRNA, complete cds.//7.80E-285//841bp//96%//AF132961
 50 C-MAMMA1000020//H.sapiens mRNA for flavin-containing monooxygenase 5 (FMO5).//8.20E-198//868bp//99%//Z47553
 C-MAMMA1000045//ENV POLYPROTEIN [CONTAINS: SURFACE PROTEIN GP85; MEMBRANE PROTEIN GP37].//1.90E-07//249aa//27%//P03396
 C-MAMMA1000055//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)].//1.50E-90//323aa//48%//P47226
 C-MAMMA1000085//PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C (EC 6.1.1.16) (CYSTEINE--TRNA LIGASE) (CYSRS).//2.10E-90//427aa//39%//Q09860
 55 C-MAMMA1000173//Homo sapiens src homology 3 domain-containing protein HIP-55 mRNA, complete cds.//2.60E-164//1044bp//87%//AF197060
 C-MAMMA1000183//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//3.40E-134//359aa//63%//

- P51523
 C-MAMMA1000284//P.waltl mRNA for rnp associated protein 55.//2.20E-109//864bp//76%//X99836
 C-MAMMA1000388//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds.//0//1466bp//99%//AB015132
- 5 C-MAMMA1000416//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III.//2.00E-30//119aa//53%//Q09232
 C-MAMMA1000612//Homo sapiens G protein beta subunit mRNA, partial cds.//8.30E-178//1992bp//84%//AF195883
 C-MAMMA1000625//GYP7 PROTEIN.//2.10E-41//198aa//40%//P48365
- 10 C-MAMMA1000672//VITELLOGENIC CARBOXYPEPTIDASE PRECURSOR (EC 3.4.16.)/.//4.40E-33//250aa//33%//P42660
 C-MAMMA1000684//Homo sapiens opioid growth factor receptor mRNA, complete cds.//0//2391bp//99%//AF172451
 C-MAMMA1000713//L-RBULOKINASE (EC 2.7.1.16).//7.70E-17//246aa//29%//P94524
- 15 C-MAMMA1000731//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 1 (CHD-1).//1.00E-77//395aa//45%//O14646
 C-MAMMA1000734//Homo sapiens mRNA for SEC63 protein.//0//1587bp//99%//AJ011779
 C-MAMMA1000738//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I.//9.00E-299//1033aa//55%//P87115
- 20 C-MAMMA1000824//ACTIN.//6.20E-20//284aa//28%//P53500
 C-MAMMA1000841//PUTATIVE AMIDASE (EC 3.5.1.4).//7.80E-40//101aa//54%//O27540
 C-MAMMA1000897//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H3 PRECURSOR (TTI HEAVY CHAIN H3) (SERUM-DERIVED HYALURONAN-ASSOCIATED PROTEIN) (SHAP).//1.00E-141//576aa//37%//Q06033
 C-MAMMA1000956//Homo sapiens CLDN8 gene for claudin-8.//0//1767bp//99%//AJ250711
- 25 C-MAMMA1001008//Homo sapiens aspartic-like protease mRNA, complete cds.//2.50E-276//1263bp//99%//AF117892
 C-MAMMA1001030//LUTROPIN-CHORIOGONADOTROPIC HORMONE RECEPTOR (LH/CG-R) (LSH-R) (LUTEINIZING HORMONE RECEPTOR) (FRAGMENT).//1.20E-26//276aa//28%//Q90674
 C-MAMMA1001038//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN].//2.60E-107//190aa//95%//Q15746
- 30 C-MAMMA1001041//SPECTRIN BETA CHAIN, BRAIN (SPECTRIN, NON-ERYTHROID BETA CHAIN) (FODRIN BETA CHAIN) (SPTBN1).//1.60E-16//113aa//41%//Q01082
 C-MAMMA1001059//Homo sapiens mRNA for DEAD Box Protein 5.//0//1440bp//99%//AJ237946
 C-MAMMA1001075//Homo sapiens CGI-72 protein mRNA, complete cds.//1.30E-181//397bp//98%//AF151830
- 35 C-MAMMA1001080//Homo sapiens SNC73 protein (SNC73) mRNA, complete cds.//1.6E-312//1596bp//94%//AF067420
 C-MAMMA1001105//OVO PROTEIN (SHAVEN BABY PROTEIN).//4.00E-49//125aa//68%//P51521
 C-MAMMA1001139//SRE-2 PROTEIN.//5.80E-35//239aa//38%//Q09273
 C-MAMMA1001181//ABC1 PROTEIN HOMOLOG PRECURSOR.//1.30E-07//81aa//45%//Q92338
- 40 C-MAMMA1001198//Homo sapiens eps15R mRNA, partial cds.//0//2253bp//99%//AB015346
 C-MAMMA1001222//EBNA-2 NUCLEAR PROTEIN.//6.60E-09//255aa//29%//P12978
 C-MAMMA1001259//Mus musculus F-box protein FBX18 mRNA, partial cds.//2.30E-271//1414bp//89%//AF184275
 C-MAMMA1001260//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//2.10E-52//630aa//30%//P34537
- 45 C-MAMMA1001305//RHO-GTPASE-ACTIVATING PROTEIN 1 (GTPASE-ACTIVATING PROTEIN RHOGAP) (RHO-RELATED SMALL GTPASE PROTEIN ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN) (P50-RHOGAP).//2.20E-98//283aa//63%//Q07960
 C-MAMMA1001322//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD).//0.000000017//46aa//60%//P20931
- 50 C-MAMMA1001388//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG).//1.40E-165//312aa//99%//P02750
 C-MAMMA1001476//URIDINE KINASE (EC 2.7.1.48) (URIDINE MONOPHOSPHOKINASE) (FRAGMENT).//6.50E-129//260aa//92%//P52623
 C-MAMMA1001501//CALPAIN 1, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEUTRAL PROTEINASE) (CANP) (MU-TYPE).//5.70E-55//86aa//97%//P07384
- 55 C-MAMMA1001576//Human gamma-tubulin mRNA, complete cds.//7.50E-276//1561bp//90%//M61764
 C-MAMMA1001627//Homo sapiens mRNA for transcription factor TBX6.//5.20E-189//871bp//99%//AJ007989
 C-MAMMA1001633//ZINC FINGER PROTEIN 165.//6.30E-39//160aa//55%//P49910

- C-MAMMA1001679//F-ACTIN CAPPING PROTEIN BETA SUBUNIT (CAPZ)//0.00000058//29aa//100%/P47756
 C-MAMMA1001730//Homo sapiens brain and nasopharyngeal carcinoma susceptibility protein NSG-x mRNA, partial cds.//0//1603bp//99%/AF095687
- 5 C-MAMMA1001735//TUBULIN BETA-5 CHAIN (BETA-TUBULIN CLASS-V)//5.90E-240//445aa//97%/P09653
 C-MAMMA1001743//Y BOX BINDING PROTEIN-1 (Y-BOX TRANSCRIPTION FACTOR)//8.50E-32//171aa//36%/P21573
 C-MAMMA1001751//Homo sapiens tandem pore domain potassium channel TWIK-2 (KCNK6) mRNA, complete cds.//0//2332bp//99%/AF117708
- 10 C-MAMMA1001754//Homo sapiens Vacuolar proton pump subunit SFD alpha isoform mRNA complete cds.//0//1987bp//99%/AF112204
 C-MAMMA1001768//CELL DIVISION CYCLE PROTEIN 48 HOMOLOG MJ1156//3.80E-45//351aa//38%/Q58556
 C-MAMMA1001771//M.musculus mRNA for semaphorin B.//2.60E-200//1272bp//79%/X85991
- 15 C-MAMMA1001820//Rattus norvegicus mRNA for PAG608 gene.//1.30E-198//1157bp//80%/Y13148
 C-MAMMA1001837//ZINC FINGER PROTEIN 29 (ZFP-29)//2.60E-77//507aa//38%/Q07230
 C-MAMMA1001868//TRICHOHYALIN.//2.70E-19//359aa//25%/P22793
 C-MAMMA1002143//Homo sapiens Cdc42 effector protein 4 mRNA, complete cds.//1.70E-252//1170bp//99%/AF099664
- 20 C-MAMMA1002170//40S RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN)//6.00E-66//157aa//70%/P15880
 C-MAMMA1002198//THIOREDOXIN PEROXIDASE 1 (THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE 1) (THIOL-SPECIFIC ANTIOXIDANT PROTEIN) (TSA) (PRP) (NATURAL KILLER CELL ENHANCING FACTOR B) (NKEF-B)//5.20E-61//60aa//90%/P32119
 C-MAMMA1002219//Rattus norvegicus rexo70 mRNA, complete cds.//1.30E-181//861bp//98%/AF032667
- 25 C-MAMMA1002236//TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR)//8.80E-217//310aa//86%/PP70541
 C-MAMMA1002268//Mus musculus sphingosine kinase (SPHK1a) mRNA, partial cds.//1.00E-190//1624bp//76%/AF068748
 C-MAMMA1002297//Homo sapiens mRNA for Rab6 GTPase activating protein.//1.10E-214//881bp//97%/AJ011679
- 30 C-MAMMA1002329//M.musculus mRNA for semaphorin B.//3.80E-45//332bp//84%/X85991
 C-MAMMA1002351//Mus musculus dynactin subunit p25 (p25) mRNA, complete cds.//4.30E-119//773bp//86%/AF190795
 C-MAMMA1002385//RIBONUCLEOPROTEIN RB97D.//1.50E-07//206aa//29%/Q02926
- 35 C-MAMMA1002428//LYSOSOME MEMBRANE PROTEIN II (LIMP II) (85 KD LYSOSOMAL MEMBRANE SIALOGLYCOPROTEIN) (LGP85) (CD36 ANTIGEN-LIKE 2)//1.10E-24//96aa//68%/Q14108
 C-MAMMA1002470//PROBABLE NH(3)-DEPENDENT NAD(+) SYNTHETASE (EC 6.3.5.1)//1.00E-11//128aa//36%/P47623
 C-MAMMA1002485//Homo sapiens stanniocalcin-related protein mRNA, complete cds.//0//1822bp//99%/AF098462
- 40 C-MAMMA1002524//HYPOTHETICAL 117.8 KD PROTEIN IN STE2-FRS2 INTERGENIC REGION.//1.20E-34//337aa//31%/P43571
 C-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds.//0//1910bp//99%/AF065214
 C-MAMMA1002573//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//2.60E-19//666aa//23%/P08640
- 45 C-MAMMA1002617//ZINC FINGER PROTEIN 135.//7.60E-89//252aa//57%/P52742
 C-MAMMA1002619//PROBABLE UBIQUITTIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15) (UBIQUITTIN THIOLESTERASE) (UBIQUITTIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITTINATING ENZYME).//9.50E-16//159aa//37%/Q09931
- 50 C-MAMMA1002622//VILLIN.//7.20E-35//53aa//64%/P02640
 C-MAMMA1002637//KINESIN LIGHT CHAIN (KLC).//1.30E-198//550aa//70%/Q07866
 C-MAMMA1002650//Mus musculus ODA-8S protein mRNA, complete cds.//5.40E-57//480bp//68%/AF194030
 C-MAMMA1002655//Homo sapiens mRNA for ganglioside sialidase, complete cds.//0//1515bp//99%/AB008185
- 55 C-MAMMA1002671//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-TIVATING ENZYME).//1.10E-45//618aa//26%/P27550
 C-MAMMA1002699//Rattus norvegicus EH domain binding protein Epsin mRNA, complete cds.//4.3e-317//1942bp//85%/AF018261
 C-MAMMA1002769//Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA, complete cds.//

- 2.20E-25//330bp//77%//AF011794
 C-MAMMA1002842//Mus musculus c-Cbl associated protein CAP mRNA, complete cds.//2.60E-58//373bp//81%//U58883
- 5 C-MAMMA1002844//TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, NON-GREEN PLASTID PRECURSOR (CTPT).//4.90E-10//334aa//22%//P52178
 C-MAMMA1002858//Rat cMG1 mRNA.//3.70E-238//1147bp//92%//X52590
 C-MAMMA1002869//PINCH PROTEIN (PARTICULARLY INTERESTING NEW CYS-HIS PROTEIN).//1.40E-160//305aa//85%//P48059
 C-MAMMA1002881//GLIOMA PATHOGENESIS-RELATED PROTEIN (RTVP-1 PROTEIN).//5.70E-30//214aa//35%//P48060
- 10 C-MAMMA1002937//ZINC FINGER PROTEIN 135.//8.30E-99//393aa//43%//P52742
 C-MAMMA1002972//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS27.//1.10E-05//69aa//42%//P40343
 C-MAMMA1003011//HISTONE MACRO-H2A.1.//2.70E-123//370aa//66%//Q02874
- 15 C-MAMMA1003013//DNA POLYMERASE BETA (EC 2.7.7.7).//7.40E-46//332aa//36%//P06746
 C-MAMMA1003035//RIBOSOMAL LARGE SUBUNIT PSEUDOURIDINE SYNTHASE C (EC 4.2.1.70) (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE).//1.90E-13//108aa//33%//P23851
 C-MAMMA1003047//Homo sapiens protein inhibitor of activated STAT protein PIASy mRNA, complete cds.//0//1533bp//99%//AF077952
- 20 C-MAMMA1003057//MD6 PROTEIN.//3.10E-225//419aa//97%//Q60584
 C-MAMMA1003113//Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds.//1.10E-234//1178bp//86%//AF071316
 C-MAMMA1003127//MYOSIN I ALPHA (MMI-ALPHA).//2.20E-105//217aa//89%//P46735
 C-MAMMA1003146//Homo sapiens mRNA for GalT3 protein.//4.30E-218//996bp//99%//Y15062
- 25 C-MAMMA1003150//HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR.//5.00E-13//592aa//24%//P47179
 C-MAMMA1003166//Homo sapiens MLL septin-like fusion protein (MSF) mRNA, complete cds.//3.10E-158//592bp//97%//AF123052
 C-NT2RM1000001//D.melanogaster sap47-2 mRNA.//1.50E-10//417bp//62%//X80110
- 30 C-NT2RM1000039//HYPOTHETICAL 41.4 KD PROTEIN IN SRLQ-HYPF INTERGENIC REGION (EC 1.18.1.-) (ORF4) (ORF2).//2.90E-14//299aa//25%//P37596
 C-NT2RM1000055//Rattus norvegicus mRNA for TIP120, complete cds.//0//3106bp//89%//D87671
 C-NT2RM1000080//UNC-1 PROTEIN.//5.90E-25//211aa//31%//Q21190
 C-NT2RM1000086//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//8.40E-52//364aa//32%//P34537
- 35 C-NT2RM1000092//MULTIDRUG RESISTANCE PROTEIN 2 (MULTIDRUG-EFFLUX TRANSPORTER 2).//1.00E-07//362aa//23%//P39843
 C-NT2RM1000118//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).//1.20E-10//150aa//28%//P87072
- 40 C-NT2RM1000132//Homo sapiens NADH:ubiquinone oxidoreductase NDUFS6 subunit mRNA, nuclear gene encoding mitochondrial protein, complete cds.//7.80E-110//516bp//99%//AF044959
 C-NT2RM1000153//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5).//3.30E-38//469aa//27%//P49902
 C-NT2RM1000186//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).//1.20E-10//150aa//28%//P87072
- 45 C-NT2RM1000187//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C.//1.10E-10//94aa//47%//O42643
 C-NT2RM1000199//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene).//0//2476bp//99%//AJ245820
 C-NT2RM1000244//Homo sapiens TRAF4 associated factor 1 mRNA, partial cds.//2.00E-126//592bp//99%//U81002
- 50 C-NT2RM1000252//H.sapiens E-MAP-115 mRNA.//9.70E-35//569bp//64%//X73882
 C-NT2RM1000256//Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds.//0//3012bp//99%//AB016789
 C-NT2RM1000257//MAGO NASHI PROTEIN.//7.90E-69//143aa//91%//P49028
- 55 C-NT2RM1000260//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP100 mRNA, complete cds.//0//2766bp//99%//AF055995
 C-NT2RM1000280//VACUOLAR ATP SYNTHASE SUBUNIT D (EC 3.6.1.34) (V-ATPASE D SUBUNIT) (V-ATPASE 28 KD ACCESSORY PROTEIN).//1.50E-106//118aa//97%//P39942

- C-NT2RM1000354//Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.//7.40E-245//2101bp//68%//AF111423
- C-NT2RM1000355//Homo sapiens transmembrane protein BRI (BRI) mRNA, complete cds.7/0//1599bp//99%//AF152462
- 5 C-NT2RM1000377//Homo sapiens dual specificity phosphatase MKP5 (MKP5) mRNA, complete cds.//3.20E-196//1016bp//94%//AF179212
- C-NT2RM1000388//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION.//0.000000019//67aa//31%//P53915
- C-NT2RM1000421//RIBONUCLEASE INHIBITOR.//4.40E-21//372aa//30%//P10775
- 10 C-NT2RM1000430//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//1.40E-185//1486bp//81%//AF084928
- C-NT2RM1000499//Caenorhabditis elegans mRNA for centaurin gamma 1A.//3.00E-17//927bp//58%//AJ132700
- C-NT2RM1000539//Homo sapiens mRNA for Lsm5 protein.//3.00E-158//733bp//99%//AJ238097
- C-NT2RM1000553//Homo sapiens putative glycolipid transfer protein mRNA, complete cds.//3.40E-177//814bp//99%//AF103731
- 15 C-NT2RM1000555//UNR PROTEIN.//0//678aa//98%//P18395
- C-NT2RM1000563//TRANSMISSION-B LOCKING TARGET ANTIGEN S230 PRECURSOR.//0.0000068//199aa//30%//Q08372
- C-NT2RM1000623//RIBONUCLEASE INHIBITOR.//4.40E-21//372aa//30%//P10775
- 20 C-NT2RM1000648//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-).//8.50E-75//301aa//39%//P43636
- C-NT2RM1000661//Homo sapiens translation initiation factor 4e mRNA, complete cds.//5.70E-210//960bp//99%//AF038957
- C-NT2RM1000666//DNA-BINDING PROTEIN A.//2.20E-09//165aa//34%//P16989
- C-NT2RM1000691//Homo sapiens mRNA for PLU-1 protein.//0//3104bp//99%//AJ132440
- 25 C-NT2RM1000702//PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-).//5.60E-08//187aa//27%//P49695
- C-NT2RM1000742//Homo sapiens AC133 antigen mRNA, complete cds.//0//3524bp//99%//AF027208
- C-NT2RM1000746//Homo sapiens polyamine modulated factor-1 (PMF1) mRNA, complete cds.//6.70E-227//1043bp//99%//AF141310
- 30 C-NT2RM1000770//DXS6673E PROTEIN.//1.40E-39//194aa//48%//Q14202
- C-NT2RM1000772//VEGETABLE INCOMPATIBILITY PROTEIN HET-E-1.//7.30E-15//280aa//27%//Q00808
- C-NT2RM1000800//Mus musculus partial mRNA for B-IND1 protein (B-indl gene).//1.10E-98//571bp//89%//Z97207
- C-NT2RM1000811//Homo sapiens AC133 antigen mRNA, complete cds.//0//3524bp//99%//AF027208
- 35 C-NT2RM1000826//UNR PROTEIN.//0//678aa//98%//P18395
- C-NT2RM1000833//Homo sapiens sec61 homolog mRNA, complete cds.//0//3541 bp//99%//AF08445 8
- C-NT2RM1000850//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//9.70E-42//333aa//36%//P16157
- C-NT2RM1000852//Homo sapiens putative ATP-dependent RNA helicase ROK1 mRNA, complete cds.//0//2206bp//99%//AF077033
- 40 C-NT2RM1000874//Homo sapiens death effector domain-containing testicular molecule mRNA, complete cds.//1.40E-244//1113bp//99%//AF043733
- C-NT2RM1000882//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//4.30E-122//1394bp//69%//AF126799
- 45 C-NT2RM1000883//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//0//5107bp//99%//AF082516
- C-NT2RM1000885//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1.80E-56//630aa//30%//P34537
- C-NT2RM1000894//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//0//1020aa//89%//P70700
- 50 C-NT2RM1000898//ACTIN, CYTOPLASMIC (ACTIN, MICRONUCLEAR).//8.90E-26//229aa//29%//P02583
- C-NT2RM1000924//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III.//1.00E-15//266aa//26%//P46577
- C-NT2RM1001003//Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds.//0//2230bp//99%//AF030233
- 55 C-NT2RM1001008//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I.//1.60E-13//119aa//36%//Q09701
- C-NT2RM1001059//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB4.//3.60E-11//180aa//28%//

- Q99383
C-NT2RM1001072//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODEESTERASE GAMMA 1 (EC 3.1.4.11) (PLC-GAMMA-1) (PHOSPHOLIPASE C-GAMMA-1) (PLC-II) (PLC-148)//8.30E-47//259aa//35%//P08487
- 5 C-NT2RM1001092//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//3.60E-115//332aa//52%//Q05481
C-NT2RM1001102//Human HEM45 mRNA, complete cds//2.30E-27//482bp//63%//U88964
C-NT2RM1001115//ENDOCHITINASE 2 PRECURSOR (EC 3.2.1.14)//5.60E-06//239aa//27%//P54197
C-NT2RM2000013//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE III SUBUNIT 2)//2.20E-144//362aa//71%//P25167
- 10 C-NT2RM2000030//DYNEIN INTERMEDIATE CHAIN, CYTOSOLIC (DH IC) (CYTOPLASMIC DYNEIN INTERMEDIATE CHAIN)//0.00000043//136aa//31%//P54703
C-NT2RM2000092//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 8 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 8) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 8) (DEUBIQUITINATING ENZYME 8)//1.30E-36//160aa//40%//P50102
- 15 C-NT2RM2000191//Homo sapiens cGMP phosphodiesterase A1 (PDE9A) mRNA, complete cds//0//1574bp//99%//AF067223
C-NT2RM2000260//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN)//3.60E-19//181aa//34%//P14918
- 20 C-NT2RM2000322//SPERMIDINE SYNTHASE (EC 2.5.1.16) (PUTRESCINE AMINOPROPYLTRANSFERASE) (AMINOPROPYLTRANSFERASE)//8.10E-06//167aa//29%//O48660
C-NT2RM2000363//BREAKPOINT CLUSTER REGION PROTEIN//1.80E-14//245aa//29%//P11274
C-NT2RM2000368//Homo sapiens protein kinase C-binding protein RACK7 mRNA, partial cds//0//1506bp//99%//U48251
- 25 C-NT2RM2000371//POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE (EC 2.7.7.8) (POLYNUCLEOTIDE//1.70E-68//419aa//36%//P50849
C-NT2RM2000402//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENDOMEMBRANE PROTEIN) (PHE-
ROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPO-
NENT)//1.60E-54//344aa//33 %//P32802
- 30 C-NT2RM2000407//Mus musculus semaphorin VIa mRNA, complete cds//9.70E-201//826bp//84%//AF030430
C-NT2RM2000422//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73//1.00E-222//237aa//89%//Q08469
C-NT2RM2000452//HYPOTHETICAL 63.6 KD PROTEIN IN YPT52-GCN3 INTERGENIC REGION//1.00E-07//157aa//28%//P36113
- 35 C-NT2RM2000469//NITROGEN PERMEASE REACTIVATOR PROTEIN (EC 2.7.1.-)//8.90E-06//377aa//24%//P22211
C-NT2RM2000490//SYNAPTOTAGMIN (P65)//1.80E-13//166aa//34%//P41823
C-NT2RM2000502//Rattus norvegicus W307 mRNA, complete cds//1.70E-58//381bp//86%//U78304
C-NT2RM2000504//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds//0//1673bp//99%//AF061243
- 40 C-NT2RM2000522//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN)//1.30E-12//282aa//32%//P17437
C-NT2RM2000566//Homo sapiens integrin alpha-7 mRNA, complete cds//0//2519bp//96%//AF032108
C-NT2RM2000577//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS)//1.70E-187//741aa//46%//P73505
- 45 C-NT2RM2000588//HISTONE DEACETYLASE HDA1//2.80E-60//384aa//40%//P53973
C-NT2RM2000594//Homo sapiens DNA cytosine-5 methyltransferase 3 beta 3 (DNMT3B) mRNA, complete cds//0//2712bp//99%//AF156487
C-NT2RM2000599//Homo sapiens F-box protein Lilina (LILINA) mRNA, complete cds//4.90E-70//838bp//69%//AF179221
- 50 C-NT2RM2000609//Homo sapiens CTL1 gene//0//1559bp//99%//AJ245620
C-NT2RM2000612//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds//2.60E-106//1069bp//74%//U35776
C-NT2RM2000624//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75)//4.40E-32//319aa//35%//Q08170
- 55 C-NT2RM2000691//ACTIN-LIKE PROTEIN 3 (ACTIN-2)//3.70E-142//285aa//90%//P32391
C-NT2RM2000714//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1)//3.80E-23//184aa//36%//Q15404
C-NT2RM2000718//Homo sapiens endocrine regulator mRNA, complete cds//0//1731bp//99%//AF121141

EP 1 074 617 A2

C-NT2RM2000735//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6)//2.90E-103//249aa//73%//P28160
C-NT2RM2000740//POSSIBLE GLOBAL TRANSCRIPTION ACTIVATOR SNF2L//5.70E-53//266aa//43%//
P41877
5 C-NT2RM2000821//COATOMER BETA SUBUNIT (BETA-COAT PROTEIN) (BETA-COP)//9.50E-279//545aa//
98%//P23514
C-NT2RM2000951//Homo sapiens XYLB mRNA for xylulokinase, complete cds//1.70E-200//927bp//99%//
AB015046
C-NT2RM2001035//CCR4-ASSOCIATED FACTOR 1 (CAF1)//8.20E-154//285aa//99%//Q60809
C-NT2RM2001065//Homo sapiens COP9 complex subunit 4 mRNA, complete cds//0//1554bp//99%//AF100757
10 C-NT2RM2001100//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME.III//2.40E-15//266aa//
26%//P46577
C-NT2RM2001105//Drosophila melanogaster eyelid (eld) mRNA, complete cds//1.20E-28//805bp//61%//
AF053091
C-NT2RM2001196//PROLINE-RICH PROTEIN MP-3 (FRAGMENT)//1.30E-20//267aa//35%//P05143
15 C-NT2RM2001201//EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5)//1.50E-07//95aa//35%//
P48724
C-NT2RM2001221//KALIRIN (PAM COOH-TERMINAL INTERACTOR PROTEIN 10) (P-CIP10)//3.60E-10//
177aa//32%//P97924
C-NT2RM2001238//GLUTAMINASE, KIDNEY ISOFORM PRECURSOR (EC 3.5.1.2) (GLS) (L-GLUTAMINE AMI-
20 DOHYDROLASE)//1.30E-180//328aa//99%//P13264
C-NT2RM2001256//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR)//1.60E-166//312aa//98%//
P53995
C-NT2RM2001324//ZYGXIN//6.80E-55//200aa//41%//Q04584
C-NT2RM2001345//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//2.90E-08//334aa//22%//Q00808
25 C-NT2RM2001424//Homo sapiens mRNA for EIB-55kDa-associated protein//0//1621bp//99%//AJ007509
C-NT2RM2001499//LOW-AFFINITY CATIONIC AMINO ACID TRANSPORTER-2 (CAT-2) (CAT2)//7.40E-121//
437aa//57%//P52569
C-NT2RM2001547//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1)//6.90E-27//
90aa//42%//P38660
30 C-NT2RM2001575//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))//
4.30E-61//312aa//44%//P19474
C-NT2RM2001592//Rattus norvegicus rexo70 mRNA, complete cds//3.10E-156//909bp//88%//AF032667
C-NT2RM2001605//Homo sapiens mRNA for PLU-1 protein//0//3114bp//99%//AJ132440
C-NT2RM2001613//Homo sapiens sec61 homolog mRNA, complete cds//0//2601 bp//99%//AF084458
35 C-NT2RM2001632//KES1 PROTEIN//1.40E-31//342aa//34%//P35844
C-NT2RM2001635//NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121 (PORE MEMBRANE PRO-
TEIN OF 121 KD) (P145)//1.20E-142//566aa//56%//P52591
C-NT2RM2001648//Homo sapiens sec61 homolog mRNA, complete cds//0//2421 bp//99%//AF084458
C-NT2RM2001652//Homo sapiens guanine nucleotide exchange factor mRNA, complete cds//0//2608bp//99%//
40 AF111162
C-NT2RM2001659//ZINC/CADMIUM RESISTANCE PROTEIN//3.40E-39//161aa//34%//P20107
C-NT2RM2001664//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA complete cds//0//
2471bp//99%//AF044195
C-NT2RM2001668//Homo sapiens putative WHSC1 protein (WHSC1) mRNA, alternative splice product ending in
45 intron 11, complete cds//6.20E-16//464bp//62%//AFQ83391
C-NT2RM2001670//ZINC FINGER PROTEIN 29 (ZFP-29)//6.50E-104//407aa//43%//Q07230
C-NT2RM2001671//Oryctolagus cuniculus sarcolemmal associated protein (SLAP1) mRNA, complete cds//0//
1843bp//94%//U21155
C-NT2RM2001688//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME I//4.60E-20//253aa//
50 30%//Q09674
C-NT2RM2001698//Homo sapiens XGalT-1 mRNA for galactosyltransferase I, complete cds//6.20E-253//
1170bp//99%//AB028600
C-NT2RM2001700//ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC (EC 1.3.99.-) (VLCAD)
(FRAGMENT)//5.70E-130//536aa//49%//P50544
55 C-NT2RM2001716//Homo sapiens BPTF mRNA for bromodomain PHD finger transcription factor, complete cds//
0//1774bp//98%//AB032251
C-NT2RM2001730//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15)
(UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-

ZYME) //7.20E-16//381aa//27%//Q09931
 C-NT2RM2001743//Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds.//0//1498bp//99%//AF011792
 C-NT2RM2001753//HYPOTHETICAL PROTEIN KIAA0210.//8.80E-11//119aa//36%//Q92609
 5 C-NT2RM2001760//Homo sapiens sec61 homolog mRNA, complete cds.//0//2379bp//99%//AF084458
 C-NT2RM2001771//ZINC FINGER PROTEIN 135.//6.40E-154//394aa//64%//P52742
 C-NT2RM2001782//Homo sapiens GDP-mannose pyrophosphorylase A (GMPPA) mRNA, complete cds.//0//1470bp//99%//AF135422
 C-NT2RM2001785//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//0//2150bp//99%//AF126799
 10 C-NT2RM2001803//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds.//0//2249bp//99%//AF044195
 C-NT2RM2001823//CHD1 PROTEIN.//1.80E-106//631aa//39%//P32657
 C-NT2RM2001839//Homo sapiens calumein (Calu) mRNA, complete cds.//0//2415bp//97%//AF013759
 15 C-NT2RM2001886//PAB-DEPENDENT POLY(A)-SPECIFIC RIBONUCLEASE SUBUNIT PAN2 (EC 3.1.13.4) (PAB1P-DEPENDENT POLY(A)-NUCLEASE).//3.00E-54//337aa//39%//P53010
 C-NT2RM2001896//CELL DIVISION PROTEIN FTSJ.//5.10E-26//204aa//34%//P28692
 C-NT2RM2001930//M.musculus mRNA for semaphorin G.//5.20E-135//894bp//83%//X97818
 C-NT2RM2001935//Homo sapiens single-strand selective monofunctional uracil DNA glycosylase mRNA, complete cds.//0//1454bp//99%//AF125182
 20 C-NT2RM2001936//32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION.//2.70E-27//216aa//34%//P28320
 C-NT2RM2001950//HYPOTHETICAL 105.9 KD PROTEIN IN AAC3-RFC5 INTERGENIC REGION.//0.0000001//212aa//23%//P38250
 25 C-NT2RM2001983//Homo sapiens RGS-GAIP interacting protein GIPC mRNA, complete cds.//0//1658bp//98%//AF089816
 C-NT2RM2001989//NUCLEOLAR PROTEIN NOP4 (NUCLEOLAR PROTEIN NOP77).//1.90E-39//253aa//35%//P37838
 C-NT2RM2001997//PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) (EC 5.3.4.1).//1.30E-10//232aa//28%//Q12730
 30 C-NT2RM2001998//HYPOTHETICAL 85.7 KD PROTEIN C13G6.03 IN CHROMOSOME L//3.10E-12//206aa//30%//Q09782
 C-NT2RM2002004//LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG).//2.90E-08//83aa//44%//P40796
 35 C-NT2RM2002014//HYPOTHETICAL 81.4 KD PROTEIN IN GREB-FEOA INTERGENIC REGION.//1.10E-89//425aa//41%//P46837
 C-NT2RM2002030//Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds.//0//1959bp//99%//AB016789
 C-NT2RM2002055//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS13.//0.00000099//338aa//24%//Q07878
 40 C-NT2RM2002088//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP).//5.00E-62//104aa//57%//Q61990
 C-NT2RM2002091//Drosophila melanogaster eyelid (eld) mRNA, complete cds.//7.10E-29//805bp//61 %//AF053091
 45 C-NT2RM2002100//Homo sapiens mRNA for ATP-dependent RNA helicase, partial.//0//1807bp//99%//AJ010840
 C-NT2RM2002109//Homo sapiens glioma amplified on chromosome 1 protein (GAC1) mRNA, complete cds.//0//1868bp//99%//AF030435
 C-NT2RM2002128//PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-).//4.90E-13//487aa//26%//P49695
 50 C-NT2RM2002142//GASTRULATION SPECIFIC PROTEIN G12.//8.00E-31//105aa//47%//P47805
 C-NT2RM2002145//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//8.50E-191//1524bp//81%//AF084928
 C-NT2RM4000024//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE III SUBUNIT 2).//7.10E-155//381aa//72%//P25167
 55 C-NT2RM4000030//LAS1 PROTEIN.//5.60E-12//184aa//32%//P36146
 C-NT2RM4000046//GOLIATH PROTEIN (G1 PROTEIN).//0.000008//112aa//31%//Q06003
 C-NT2RM4000104//ZINC FINGER PROTEIN 135.//1.50E-81//251aa//53%//P52742
 C-NT2RM4000139//R.norvegicus trg mRNA.//2.30E-114//1161bp//72%//X68101

- C-NT2RM4000155//THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.3) (THREONINE--TRNA
LIGASE) (THRRS) //1.20E-157//321aa//61%//P26639
- C-NT2RM4000156//H.sapiens HPBRII-7 gene //3.60E-21//785bp//60%//X67336
- C-NT2RM4000167//Homo sapiens mRNA for Chromokinesin (KIF 4 gene) //0//1946bp//99%//AJ271784
- 5 C-NT2RM4000169//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1 //4.80E-13//686aa//23%//
P25386
- C-NT2RM4000191//PUTATIVE ATP-DEPENDENT RNA HELICASE PL10 //9.20E-75//439aa//41%//P16381
- C-NT2RM4000202//ZINC FINGER PROTEIN MOK-2 (HOK-2) //4.90E-32//170aa//41%//Q16600
- C-NT2RM4000215//MAK16 PROTEIN //1.30E-68//295aa//49%//P10962
- 10 C-NT2RM4000229//Gallus gallus actin filament-associated protein (AFAP-110) mRNA, complete cds //1.10E-27//
633bp//64%//L20303
- C-NT2RM4000233//Mus musculus semaphorin Via mRNA, complete cds //3.40E-231//1395bp//86%//AF030430
- C-NT2RM4000290//Human transducin-like enhancer protein (TLE3) mRNA, complete cds //2.20E-276//1124bp//
97%//M99438
- 15 C-NT2RM4000344//Homo sapiens mRNA for ATP-dependent metalloprotease YME1L //0//2030bp//99%//
AJ132637
- C-NT2RM4000354//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN) //1.50E-21//208aa//35%//Q24371
- C-NT2RM4000356//RAS-RELATED PROTEIN RAB-17 //5.90E-80//213aa//75%//P35292
- C-NT2RM4000386//Mus musculus ODZ3 (Odz3) mRNA, partial cds //0//2156bp//87%//AF195418
- 20 C-NT2RM4000421//Homo sapiens mRNA for nuclear transport receptor //0//1730bp//99%//AJ133769
- C-NT2RM4000433//Mus musculus retinoic acid-responsive protein (Stra6) mRNA, complete cds //4.10E-271//
2085bp//77%//AF062476
- C-NT2RM4000457//HYPOTHETICAL 111.9 KD PROTEIN C22H10.03C IN CHROMOSOME I //8.00E-20//393aa//
24%//Q10297
- 25 C-NT2RM4000471//Homo sapiens cysteine desulfurase (nifS) mRNA, complete cds //0//2092bp//99%//AF097025
- C-NT2RM4000486//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CON-
TAINS: BASIC PEPTIDE IB-6; PEPTIDE P-H] //4.80E-11//242aa//31%//P04280
- C-NT2RM4000496//SAP1 PROTEIN //8.30E-53//434aa//29%//P39955
- C-NT2RM4000515//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)
30 (FRAGMENT) //1.10E-11//394aa//24%//P16884
- C-NT2RM4000531//ZINC FINGER PROTEIN 29 (ZFP-29) //2.40E-89//389aa//43%//Q07230
- C-NT2RM4000590//RING CANAL PROTEIN (KELCH PROTEIN) //1.00E-59//595aa//28%//Q04652
- C-NT2RM4000595//PUTATIVE ADENYLATE CYCLASE REGULATORY PROTEIN //8.70E-15//403aa//30%//
P26337
- 35 C-NT2RM4000611//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 //2.90E-09//108aa//31%//Q00808
- C-NT2RM4000616//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
TIVATING ENZYME) //2.70E-146//420aa//60%//P27550
- C-NT2RM4000657//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC
3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) //3.00E-68//297aa//40%//P51178
- 40 C-NT2RM4000674//HYPOTHETICAL SYMPORTER SLL13747/1.20E-28//180aa//30%//P74168
- C-NT2RM4000712//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds //1.00E-136//
1104bp//77%//AF022789
- C-NT2RM4000733//TRANSCRIPTION TERMINATION FACTOR RHO //0.00000041//207aa//29%//P52154
- C-NT2RM4000734//Homo sapiens Smad- and Olf-interacting zinc finger protein mRNA, partial cds //0//2071bp//
99%//AF221712
- 45 C-NT2RM4000741//Homo sapiens hSGT1 mRNA for hSgt1p, complete cds //0//2184bp//99%//D88208
- C-NT2RM4000751//ZINC FINGER PROTEIN 184 (FRAGMENT) //3.90E-125//301aa//53%//Q99676
- C-NT2RM4000798//Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2 mRNA, complete
cds //0//2603bp//99%//AF084521
- 50 C-NT2RM4000820//VACUOLAR ATP SYNTHASE SUBUNIT AC45 PRECURSOR (EC 3.6.1.34) (V-ATPASE
AC45 SUBUNIT) //1.10E-24//138aa//44%//P40682
- C-NT2RM4000857//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG) //6.70E-22//250aa//29%//P02750
- C-NT2RM4000996//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7) //8.00E-211//738aa//
50%//Q05481
- 55 C-NT2RM4001047//MO25 PROTEIN //8.00E-140//333aa//80%//Q06138
- C-NT2RM4001054//Homo sapiens sec61 homolog mRNA, complete cds //3.10E-190//1315bp//81%//AF077032
- C-NT2RM4001084//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I //0.000000032//
165aa//33%//Q09820

- C-NT2RM4001092//ZINC FINGER PROTEIN GLO37/3.10E-24//265aa//33%/P38682
 C-NT2RM4001116//HYPOTHETICAL 216.3 KD PROTEIN R06F6.8 IN CHROMOSOME II//5.90E-86//292aa//48%/Q09417
 C-NT2RM4001140//HOMEBOX PROTEIN MSH-D//1.00E-11//103aa//38%/Q01704
 5 C-NT2RM4001155//ADRENAL MEDULLA 50 KD PROTEIN//4.10E-197//445aa//78%/Q27969
 C-NT2RM4001178//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1//1.10E-48//218aa//43%/Q03532
 C-NT2RM4001200//ZINC FINGER PROTEIN 135//9.50E-135//375aa//60%/P52742
 C-NT2RM4001203//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//0//2310bp//99%/AF004828
 10 C-NT2RM4001217//Mus musculus actin-binding protein (ENC-1) mRNA, complete cds//3.10E-148//1445bp//72%/U65079
 C-NT2RM4001256//Xenopus laevis putative Zic3 binding protein mRNA, complete cds//4.30E-55//289bp//77%/AF129131
 C-NT2RM4001313//PHOSPHATIDYLINOSITOL 3-KINASE VPS34-UKE (EC 2.7.1.137) (PI3-KINASE) (PTDINS-3-KINASE) (PI3K)//3.50E-35//124aa//65%/P54676
 15 C-NT2RM4001316//ACYL-COA DEHYDROGENASE, MEDIUM-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.3) (MCAD)//2.30E-31//334aa//30%/P08503
 C-NT2RM4001320//Homo sapiens mRNA for Neuroblastoma, complete cds//1.80E-39//728bp//64%/D89016
 C-NT2RM4001340//UTR4 PROTEIN (UNKNOWN TRANSCRIPT 4 PROTEIN)//1.00E-28//171aa//37%/P32626
 20 C-NT2RM4001344//HYPOTHETICAL GTP-BINDING PROTEIN IN POP2-HOL1 INTERGENIC REGION//8.10E-30//265aa//33%/P53742
 C-NT2RM4001347//Homo sapiens NY-REN-25 antigen mRNA, partial cds//0//2300bp//99%/AF155103
 C-NT2RM4001371//Homo sapiens IDN3 mRNA, partial cds//0//2524bp//99%/AB019494
 C-NT2RM4001382//Homo sapiens RanBP7/importin 7 mRNA, complete cds//2.20E-237//1079bp//99%/AF098799
 25 C-NT2RM4001411//Mus musculus Pro-rich, PH, SH2 domain-containing signaling mediator (PSM) mRNA, complete cds//0//1962bp//87%/AF020526
 C-NT2RM4001412//Homo sapiens nGAP mRNA, complete cds//0//1918bp//99%/AF047711
 C-NT2RM4001444//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS)//1.40E-118//444aa//46%/P73505
 30 C-NT2RM4001483//ZINC FINGER PROTEIN 136//5.10E-106//357aa//55%/P52737
 C-NT2RM4001566//NECDIN//9.80E-44//227aa//41%/P25233
 C-NT2RM4001582//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds//1.50E-284//1082bp//90%/AF071317
 35 C-NT2RM4001592//HYPOTHETICAL 128.5 KD HELICASE IN ATS1-TPD3 INTERGENIC REGION//7.60E-56//213aa//49%/P31380
 C-NT2RM4001597//M.musculus red-1 gene//12.10E-171//1414bp//78%/X92750
 C-NT2RM4001611//SIS2 PROTEIN (HALOTOLERANCE PROTEIN HAL3)//2.60E-32//203aa//39%/Q12600
 C-NT2RM4001629//MAGUK P55 SUBFAMILY MEMBER 3 (MPP3 PROTEIN) (DISCS, LARGE HOMOLOG 3)//1.50E-93//278aa//38%/Q13368
 40 C-NT2RM4001666//HYPOTHETICAL 48.6 KD PROTEIN IN ALPA-GABP INTERGENIC REGION//2.70E-84//410aa//42%/P37339
 C-NT2RM4001714//SEPTIN 2 HOMOLOG (FRAGMENT)//8.90E-141//354aa//72%/Q14141
 C-NT2RM4001731//Homo sapiens F-box protein Lilina (LILINA) mRNA, complete cds//0//1922bp//100%/AF179221
 45 C-NT2RM4001758//PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK (EC 2.7.)/4.10E-186//639aa//58%/Q05512
 C-NT2RM4001783//ZINC FINGER PROTEIN HRX (ALL-1)//7.90E-66//311aa//35%/Q03164
 C-NT2RM4001810//AGGRECAN CORE PROTEIN PRECURSOR (CARTILAGE-SPECIFIC PROTEOGLYCAN CORE PROTEIN) (CSPCP) (CHONDROITIN SULFATE PROTEOGLYCAN CORE PROTEIN 1)//5.10E-07//263aa//30%/P16112
 50 C-NT2RM4001813//LECTIN BRA-2//0.00000048//114aa//30%/P17346
 C-NT2RM4001819//Human p58/GTA (galactosyltransferase associated protein kinase) mRNA, complete cds//8.10E-300//1395bp//98%/M37712
 55 C-NT2RM4001823//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6)//7.20E-55//325aa//37%/P28160
 C-NT2RM4001828//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//5.90E-161//481aa//56%/P51523
 C-NT2RM4001858//T-BOX CONTAINING PROTEIN TBX6L (FRAGMENT)//6.50E-22//126aa//46%/P79779

- C-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC.//4.30E-244//1248bp//94%//Y17711
- C-NT2RM4001876//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1).//6.50E-23//184aa//36%//Q15404
- 5 C-NT2RM4001880//PUTATIVE DNA HELICASE II HOMOLOG (EC 3.6.1.-).//5.90E-09//268aa//26%//P47486
- C-NT2RM4001930//Homo sapiens dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase (ALG6) mRNA, complete cds.//0//1930bp//99%//AF102851
- C-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds.//0//2087bp//99%//AF098162
- C-NT2RM4001969//R.norvegicus mRNA for IP63 protein.//2.60E-261//1563bp//84%//X99330
- 10 C-NT2RM4001979//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.80E-112//457aa//47%//P51523
- C-NT2RM4001987//NEURAL CELL ADHESION MOLECULE 1, LARGE ISOFORM PRECURSOR (N-CAM 180) [CONTAINS: N-CAM 140].//3.20E-17//281aa//30%//P16170
- C-NT2RM4002013//HYPOTHETICAL 89.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMT6-PCT1 INTERGENIC REGION.//6.90E-94//589aa//35%//P42935
- 15 C-NT2RM4002034//Homo sapiens hiwi mRNA, partial cds.//1.90E-53//1585bp//60%//AF104260
- C-NT2RM4002062//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS).//1.90E-31//80aa//52%//P36419
- C-NT2RM4002063//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//0//1865bp//99%//U82267
- 20 C-NT2RM4002066//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP230 mRNA, complete cds.//1.50E-211//1123bp//71 %//AF117755
- C-NT2RM4002073//Mus musculus fatty acid transport protein 3 mRNA, partial cds.//9.30E-293//1751bp//83%//AF072758
- 25 C-NT2RM4002075//RING CANAL PROTEIN (KELCH PROTEIN).//2.80E-105//556aa//41 %//Q04652
- C-NT2RM4002093//Homo sapiens neural polypyrimidine tract binding protein (PTB) mRNA, complete cds.//0//2550bp//99%//AF176085
- C-NT2RM4002109//Homo sapiens mRNA for Chromokinesin (KIF 4 gene).//0//2572bp//99%//AJ271784
- C-NT2RM4002145//SLIT PROTEIN PRECURSOR.//1.40E-09//127aa//33%//P24014
- 30 C-NT2RM4002146//Homo sapiens MAGOH mRNA, complete cds.//6.90E-70//454bp//85%//AF035940
- C-NT2RM4002161//Homo sapiens laforin (EPM2A) mRNA, complete cds.//0//2671bp//99%//AF084535
- C-NT2RM4002174//MRPPROTEIN.//9.10E-68//264aa//51%//P21590
- C-NT2RM4002189//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//6.20E-33//688aa//27%//P08640
- 35 C-NT2RM4002194//Mus musculus semaphorin VIa mRNA, complete cds.//5.20E-297//1753bp//87%//AF030430
- C-NT2RM4002205//ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G).//3.00E-37//122aa//72%//Q07803
- C-NT2RM4002213//Homo sapiens protein phosphatase methylesterase-1 (PME-1) mRNA, complete cds.//0//2452bp//100%//AF157028
- 40 C-NT2RM4002226//GTPASE ACTIVATING PROTEIN ROTUND.//3.70E-19//147aa//41%//P40809
- C-NT2RM4002251//ALPHA-1,3-MANNOSYL-GLYCOPROTEIN BETA-1,2-N-ACETYLGLUCOSAMINYLTRANSFERASE (EC 2.4.1.101) (N-GLYCOSYLLOLIGOSACCHARIDE-GLYCOPROTEIN N-ACETYLGLUCOSAMINYLTRANSFERASE I) (GNT- I) (GLCNAC-T I).//2.20E-36//320aa//38%//P27808
- C-NT2RM4002323//ANTIGEN GOR (FRAGMENT).//0.000000001//154aa//33%//P48778
- 45 C-NT2RM4002409//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.30E-29//275aa//30%//P27095
- C-NT2RM4002438//Xenopus laevis putative Zic3 binding protein mRNA, complete cds.//1.10E-49//611 bp//70%//AF129131
- C-NT2RM4002460//ENV POLYPROTEIN (COAT POLYPROTEIN) [CONTAINS: COAT PROTEINS GP70, GP20].//0.0000016//226aa//24%//P51515
- 50 C-NT2RM4002527//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//8.90E-15//366aa//27%//Q00808
- C-NT2RM4002532//PROTEIN HOM1.//2.00E-16//276aa//28%//P55137
- C-NT2RM4002558//Homo sapiens fatty acid transport protein (FATP) mRNA, complete cds.//0//1797bp//99%//AF055899
- 55 C-NT2RM4002565//Mus musculus Sec8 mRNA, complete cds.//0//1915bp//87%//AF022962
- C-NT2RM4002571//H.sapiens mRNA for UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T2).//4.60E-78//921bp//69%//X85019
- C-NT2RM4002594//MSP1 PROTEIN HOMOLOG.//2.70E-68//236aa//58%//P54815

- C-NT2RM4002623//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA UGASE) (ASPRS).//
2.30E-101//488aa//45%//O32038
- C-NT2RP1000018//Homo sapiens mRNA for NIK, partial cds.//0//1747bp//99%//AB013385
- C-NT2RP1000035//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//1652bp//99%//AJ012449
- 5 C-NT2RP1000040//Mus musculus donson protein (Donson) mRNA, partial cds.//5.90E-150//1025bp//82%//
AF193608
- C-NT2RP1000086//H.sapiens mRNA for zinc finger protein, Hsa12.//0//1162bp//99%//X98834
- C-NT2RP1000111//COP1 REGULATORY PROTEIN.//4.00E-116//296aa//51%//P93471
- C-NT2RP1000130//HEPATOMA-DERIVED GROWTH FACTOR (HDGF).//4.50E-50//181aa//60%//P51859
- 10 C-NT2RP1000163//Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds.//3.40E-270//
951bp//98%//AF011792
- C-NT2RP1000202//ANKYRIN.//1.00E-25//302aa//34%//Q02357
- C-NT2RP1000272//Mus musculus mRNA for neural specific sr protein NSSR 2, complete cds.//1.40E-267//
1155bp//87%//AB015895
- 15 C-NT2RP1000326//Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, com-
plete cds.//1.30E-275//1249bp//99%//AF053551
- C-NT2RP1000333//ANTI-SILENCING PROTEIN 1.//8.70E-47//155aa//58%//P32447
- C-NT2RP1000348//REDUCED VIABILITY UPON STARVATION PROTEIN 161.//1.70E-15//162aa//30%//P25343
- C-NT2RP1000363//R.norvegicus LL5 mRNA.//7.90E-262//1175bp//83%//X74226
- 20 C-NT2RP1000376//Homo sapiens Ca2+-independent phospholipase A2 long isoform (iPLA2) mRNA, complete
cds.//0//2252bp//96%//AF102989
- C-NT2RP1000413//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (NAP1 PROTEIN).//1.90E-153//230aa//99%//
P55161
- C-NT2RP1000439//Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.//1.80E-
94//1019bp//63%//AF111423
- 25 C-NT2RP1000443//QUINONE OXIDOREDUCTASE (EC 1.6.5.5) (NADPH:QUINONE REDUCTASE) (ZETA-
CRYSTALLIN).//2.40E-10//227aa//25%//Q08257
- C-NT2RP1000460//NUCLEAR MOVEMENT PROTEIN NUDC.//3.80E-19//149aa//36%//P17624
- C-NT2RP1000470//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III.//2.60E-94//
254aa//47%//P34580
- 30 C-NT2RP1000478//TUBULIN BETA-5 CHAIN (CLASS-V).//4.50E-240//445aa//97%//P09653
- C-NT2RP1000481//Homo sapiens antigen NY-CO-3 (NY-CO-3) mRNA, partial cds.//7.5e-315//1445bp//99%//
AF039688
- C-NT2RP1000493//POSSIBLE DNA-REPAIR PROTEIN XP-E (POSSIBLE XERODERMA PIGMENTOSUM
GROUP E PROTEIN) (UV-DAMAGED DNA-BINDING PROTEIN) (UV-DDB).//3.60E-30//534aa//23%//P33194
- 35 C-NT2RP1000513//Human NifU-like protein (hNifU) mRNA, partial cds.//6.50E-171//516bp//99%//U47101
- C-NT2RP1000522//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-
OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-
ZYME 1).//8.20E-83//345aa//47%//Q61068
- 40 C-NT2RP1000547//COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (FRAGMENT).//1.10E-
27//193aa//35%//P49020
- C-NT2RP1000574//HOMEBOX PROTEIN MEIS2 (MEIS1-RELATED PROTEIN 1).//3.50E-75//151aa//94%//
P97367
- C-NT2RP1000630//NECDIN.//2.40E-44//227aa//41%//P25233
- 45 C-NT2RP1000677//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER (ORGANIC ANION TRANS-
PORTING POLYPEPTIDE).//1.20E-78//483aa//31%//P46721
- C-NT2RP1000701//Homo sapiens phospholipase A2 activating protein (PLA2P) mRNA, complete cds.//0//
1687bp//99%//AF145020
- C-NT2RP1000733//Human mRNA for GSPT1-TK protein, complete cds.//0//2057bp//99%//E14379
- 50 C-NT2RP1000738//Homo sapiens Wolf-Hirschhorn syndrome candidate 2 protein (WHSC2) mRNA, complete
cds.//0//2186bp//99%//AF101434
- C-NT2RP1000746//Homo sapiens 60S acidic ribosomal protein PO mRNA, complete cds.//9.70E-196//901bp//
99%//AF173378
- C-NT2RP1000782//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-
OPROTEIN SFA-1) (CD151 ANTIGEN).//1.20E-30//232aa//30%//O35566
- 55 C-NT2RP1000825//GTPASE-ACTIVATING PROTEIN RHOGAP (RHO-RELATED SMALL GTPASE PROTEIN
ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN) (P50-RHOGAP).//8.20E-83//334aa//50%//Q07960
- C-NT2RP1000833//Homo sapiens cGMP phosphodiesterase AI (PDE9A) mRNA, complete cds.//0//1494bp//99%//

AF067223
 C-NT2RP1000834//Homo sapiens alpha-methylacyl-CoA racemase mRNA, complete cds.//1.80E-176//829bp//98%//AF047020
 C-NT2RP1000856//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYCOPROTEIN SFA-1) (CD151 ANTIGEN) //1.20E-30//232aa//30%//Q35566
 5 C-NT2RP1000860//Homo sapiens KL04P mRNA, complete cds.//0//1555bp//99%//AF064094
 C-NT2RP1000902//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//5.20E-20//306aa//33%//Q09531
 C-NT2RP1000915//AUTOANTIGEN NGP-1.//1.70E-19//343aa//25%//Q13823
 10 C-NT2RP1000947//Human E2 ubiquitin conjugating enzyme Ubch5B (UBCH5B) mRNA, complete cds.//4.60E-105//504bp//99%//U39317
 C-NT2RP1000954//RING CANAL PROTEIN (KELCH PROTEIN) //1.40E-23//370aa//28%//Q04652
 C-NT2RP1000958//AUTOANTIGEN NGP-1.//1.40E-19//343aa//25%//Q13823
 C-NT2RP1000959//Human acidic ribosomal phosphoprotein P0 mRNA, complete cds.//2.50E-236//966bp//99%//M17885
 15 C-NT2RP1000966//NUCLEOLIN (PROTEIN C23) //8.90E-299//554aa//99%//P19338
 C-NT2RP1001011//Drosophila melanogaster putative 43 kDa protein (TH1) mRNA, complete cds.//2.20E-78//1529bp//61%//L01790
 C-NT2RP1001013//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1) //7.70E-253//425aa//98%//P51522
 20 C-NT2RP1001033//Homo sapiens delta-tubulin mRNA, complete cds.//2.10E-285//1290bp//100%//AF201333
 C-NT2RP1001073//Homo sapiens U6 snRNA-associated Sm-like protein LSM5 mRNA, complete cds.//8.10E-107//504bp//99%//AF182291
 C-NT2RP1001079//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//0//2085bp//99%//U82267
 25 C-NT2RP1001080//PROBABLE ATP-DEPENDENT RNA HELICASE DBP9.//2.30E-116//319aa//46%//Q06218
 C-NT2RP1001113//Homo sapiens CTL2 gene.//0//2790bp//98%//AJ245621
 C-NT2RP1001177//Rattus norvegicus histone macroH2A1.2 mRNA, complete cds.//5.20E-108//1278bp//69%//U79139
 30 C-NT2RP1001185//Human isovaleryl-coA dehydrogenase (IVD) mRNA, complete cds.//1.90E-158//729bp//99%//M34192
 C-NT2RP1001247//Homo sapiens TGF-beta type secreted signaling protein LEFTYA mRNA, complete cds.//0//2006bp//100%//AF081513
 C-NT2RP1001253//Homo sapiens oscillin (hLn) mRNA, complete cds.//0//2020bp//99%//AF029914
 35 C-NT2RP1001294//MICROTUBULE-ASSOCIATED PROTEIN YTM1 //1.80E-38//258aa//32%//Q12024
 C-NT2RP1001302//MICROTUBULE-ASSOCIATED PROTEIN YTM1 //1.80E-38//258aa//32%//Q12024
 C-NT2RP1001310//Homo sapiens mitochondrial carrier homolog 1 isoform a mRNA, partial cds; nuclear gene for mitochondrial product.//0//1732bp//99%//AF176006
 C-NT2RP1001313//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//7.50E-121//1394bp//69%//AF126799
 40 C-NT2RP1001361//Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete cds.//6.50E-116//541bp//100%//AF070652
 C-NT2RP1001385//HYPOTHETICAL 48.8 KD PROTEIN IN SSU81-SCS2 INTERGENIC REGION.//2.70E-22//284aa//25%//P40074
 45 C-NT2RP1001395//Homo sapiens COP9 complex subunit 7a mRNA, complete cds.//0//1782bp//99%//AF210052
 C-NT2RP1001410//PUTATIVE GTP-BINDING PROTEIN W08E3.3.//8.90E-141//396aa//67%//P91917
 C-NT2RP1001449//Mus musculus Gng31g mRNA, complete cds.//7.20E-165//800bp//87%//AF069954
 C-NT2RP1001457//Homo sapiens partial mRNA for beta-transducin family protein (putative).//1.20E-137//629bp//100%//AJ005257
 50 C-NT2RP1001482//Mouse oncogene (ect2) mRNA, complete cds.//2.10E-158//755bp//86%//L11316
 C-NT2RP1001494//MALE STERILITY PROTEIN 2.//7.20E-40//261aa//27%//Q08891
 C-NT2RP1001543//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS).//1.60E-166//506aa//60%//P42803
 C-NT2RP1001546//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYCOPROTEIN SFA-1) (CD151 ANTIGEN) //1.60E-30//232aa//30%//Q35566
 55 C-NT2RP1001569//SIGNAL RECOGNITION PARTICLE RECEPTOR BETA SUBUNIT (SR-BETA) //5.80E-121//271aa//89%//P47758
 C-NT2RP1001665//CALMODULIN.//0.00000051//83aa//30%//P02594

- C-NT2RP2000006//DNAJ PROTEIN (40 KD HEAT SHOCK CHAPERONE PROTEIN) (HSP40)//9.80E-17//79aa//55%//O34136
- C-NT2RP2000008//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//2.40E-177//726aa//47%//P51523
- 5 C-NT2RP2000032//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1)//7.1.80E-22//184aa//34%//Q01730
- C-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds//0//1390bp//98%//AF061749
- 10 C-NT2RP2000054//Homo sapiens putative ring zinc finger protein NY-REN-43 antigen mRNA, complete cds//0//2245bp//99%//AF155109
- C-NT2RP2000056//PROTEIN-TYROSINE PHOSPHATASE EPSILON PRECURSOR (EC 3.1.3.48) (R-PTP- EP-SILON)//9.40E-16//45aa//100%//P49446
- C-NT2RP2000067//Mus musculus ODZ3 (Odz3) mRNA, partial cds//0//3546bp//99%//AF195418
- 15 C-NT2RP2000070//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN)//3.40E-51//383aa//32%//P33450
- C-NT2RP2000076//Homo sapiens partial mRNA for polyhomeotic 2 protein (PH2 gene)//7.90E-20//265bp//73%//AJ242730
- C-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds//0//2244bp//99%//AB018356
- 20 C-NT2RP2000126//POSSIBLE GLOBAL TRANSCRIPTION ACTIVATOR SNF2L//2.50E-117//541aa//42%//P41877
- C-NT2RP2000133//Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds//0//1490bp//99%//AF175966
- C-NT2RP2000147//CLATHRIN COAT ASSEMBLY PROTEIN AP47 (CLATHRIN COAT ASSOCIATED PROTEIN AP47) (GOLGI ADAPTOR AP-1 47 KD PROTEIN) (HA1 47 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN)//4.40E-226//423aa//99%//P35585
- 25 C-NT2RP2000153//GAR2 PROTEIN//9.80E-23//311aa//28%//P41891
- C-NT2RP2000157//MLO2 PROTEIN//2.60E-11//62aa//40%//Q09329
- C-NT2RP2000161//DIS3 PROTEIN HOMOLOG//4.10E-35//184aa//44%//Q17632
- 30 C-NT2RP2000183//DIHYDROPYRIMIDINASE RELATED PROTEIN-2 (DRP-2) (NEURAL SPECIFIC PROTEIN NSP60)//3.30E-16//114aa//44%//O02675
- C-NT2RP2000195//Homo sapiens androgen induced protein (AIG-1) mRNA, complete cds//7.80E-152//704bp//99%//AF153605
- C-NT2RP2000224//INSULIN RECEPTOR SUBSTRATE-1 (IRS-1)//0.000043//103aa//28%//P35568
- 35 C-NT2RP2000248//UDP-N-ACETYLGLUCOSAMINE--PEPTIDE N-ACETYLGLUCOSAMINYLTRANSFERASE 110 KD SUBUNIT (EC 2.4.1.-) (O-GLCNAC TRANSFERASE P110 SUBUNIT)//3.40E-21//210aa//33%//P56558
- C-NT2RP2000257//PUTATIVE MITOCHONDRIAL CARRIER YIL006W//9.70E-41//278aa//36%//P40556
- C-NT2RP2000258//ACTIVATOR 1 140 KD SUBUNIT (REPLICATION FACTOR C LARGE SUBUNIT) (AI 140 KD SUBUNIT) (RF-C 140 KD SUBUNIT) (ACTIVATOR 1 LARGE SUBUNIT) (DNA-BINDING PROTEIN PO-GA)//7.10E-12//213aa//23%//P35251
- 40 C-NT2RP2000270//Human putative G-protein coupled receptor (SH120) mRNA, complete cds//1.30E-242//1043bp//99%//U78723
- C-NT2RP2000288//HYPOTHETICAL 111.9 KD PROTEIN C22H10.03C IN CHROMOSOME I//1.60E-27//576aa//25%//Q10297
- C-NT2RP2000297//ZINC FINGER PROTEIN 184 (FRAGMENT)//3.30E-186//256aa//60%//Q99676
- 45 C-NT2RP2000310//Human proline dehydrogenase/proline oxidase (PRODH) mRNA, complete cds//4.30E-279//1193bp//99%//U82381
- C-NT2RP2000329//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3)//2.00E-111//226aa//92%//P08760
- 50 C-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds//0//2331bp//99%//U83981
- C-NT2RP2000414//Homo sapiens HnRNP F protein mRNA, complete cds//0//1886bp//99%//L28010
- C-NT2RP2000420//ZINC FINGER PROTEIN 165//8.50E-33//155aa//52%//P49910
- C-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds//0//1757bp//99%//AF102265
- 55 C-NT2RP2000448//KES1 PROTEIN//8.70E-54//392aa//38%//P35844
- C-NT2RP2000523//APOLIPOPROTEIN B MRNA EDITING PROTEIN (HEPR) (APOBEC-1)//6.00E-16//124aa//34%//P41238
- C-NT2RP2000660//SAP1 PROTEIN//5.20E-68//474aa//32%//P39955

- C-NT2RP2000668//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-)//1.30E-27//349aa//32%//Q01577
- C-NT2RP2000710//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE)//2.70E-100//488aa//44%//Q32038
- 5 C-NT2RP2000764//NIFS PROTEIN//6.60E-36//252aa//42%//P12623
- C-NT2RP2000809//Homo sapiens BAG-family molecular chaperone regulator-5 mRNA, complete cds//0//3347bp//99%//AF095195
- C-NT2RP2000812//DILUTE MYOSIN HEAVY CHAIN, NON-MUSCLE (MYOSIN 5A)//5-.60E-08//179aa//29%//Q99104
- 10 C-NT2RP2000814//GELATION FACTOR (ACTIN BINDING PROTEIN 120) (ABP-120)//1.10E-07//96aa//29%//P13466
- C-NT2RP2000816//MAGNESIUM-CHELATASE 30 KD SUBUNIT//7.90E-08//172aa//28%//P26174
- C-NT2RP2000842//Human lysophosphatidic acid receptor homolog mRNA, complete cds//0//1562bp//99%//U80811
- 15 C-NT2RP2000880//PROBABLE TRANSLATION INITIATION FACTOR IF-2//0//694aa//99%//Q60841
- C-NT2RP2000892//Rattus norvegicus db83 mRNA, complete cds//2.90E-191//1094bp//85%//AB006135
- C-NT2RP2000931//MATRIN 3//2.40E-289//467aa//95%//P43244
- C-NT2RP2000943//Homo sapiens sec24D protein mRNA, complete cds//0//2767bp//99%//AF130464
- C-NT2RP2000965//Homo sapiens mRNA for fls353, complete cds//0//1989bp//96%//AB024704
- 20 C-NT2RP2001070//PUTATIVE PYRIDOXAMINE 5'-PHOSPHATE OXIDASE (EC 1.4.3.5) (PNP/PMP OXIDASE)//5.80E-46//222aa//45%//Q20939
- C-NT2RP2001081//SYNAPTOTAGMIN IV//4.20E-118//430aa//54%//P50232
- C-NT2RP2001127//Homo sapiens mRNA for PLU-1 protein//0//2514bp//99%//AJ132440
- C-NT2RP2001168//VERPROLIN//1.50E-09//143aa//33%//P37370
- 25 C-NT2RP2001174//GASTRULA ZINC FINGER PROTEIN XLCGF46.1 (FRAGMENT)//6.00E-10//88aa//38%//P18722
- C-NT2RP2001233//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//2.00E-128//409aa//45%//Q05481
- C-NT2RP2001245//MYOSIN HEAVY CHAIN, NONMUSCLE (CELLULAR MYOSIN HEAVY CHAIN) (NMMHC)//2.20E-10//366aa//28%//P14105
- 30 C-NT2RP2001290//BETA-SOLUBLE NSF ATTACHMENT PROTEIN (SNAP-BETA) (SNAP-ALPHA HOMOLOG) (BRAIN PROTEIN 147) (FRAGMENT)//4.40E-91//179aa//99%//P28663
- C-NT2RP2001295//ZINC/CADMIUM RESISTANCE PROTEIN//8.30E-39//161aa//34%//P20107
- C-NT2RP2001327//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PROTEIN)//5.50E-116//311aa//71%//Q13829
- 35 C-NT2RP2001378//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2)//2.00E-11//403aa//25%//Q02817
- C-NT2RP2001392//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-)//8.40E-192//581aa//54%//P93647
- C-NT2RP2001394//Homo sapiens mRNA for SCML2 protein//0//2068bp//99%//Y18004
- 40 C-NT2RP2001397//Homo sapiens mRNA for cyclin B2, complete cds//1.9e-316//1428bp//100%//AB020981
- C-NT2RP2001420//Mus musculus nuclear protein NIP45 mRNA, complete cds//9.00E-112//742bp//82%//U76759
- C-NT2RP2001440//Homo sapiens mRNA for 14-3-3gamma, complete cds//0//3712bp//99%//AB024334
- C-NT2RP2001460//TRICHOHYAUN//1.00E-14//521aa//24%//P37709
- C-NT2RP2001511//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds//3.20E-297//2206bp//75%//AF093097
- 45 C-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1//0//2502bp//99%//Y14494
- C-NT2RP2001536//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds//0//2326bp//99%//AF035586
- C-NT2RP2001560//VAV2 PROTEIN//0.00000015//219aa//27%//Q60992
- 50 C-NT2RP2001576//HYPOTHETICAL 62.2 KD PROTEIN C4G8.12C IN CHROMOSOME 1//8.20E-29//294aa//31%//Q09837
- C-NT2RP2001597//RYANODINE RECEPTOR, CARDIAC MUSCLE//0.000000036//127aa//36%//P30957
- C-NT2RP2001601//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds//0//1748bp//99%//AF196304
- 55 C-NT2RP2001613//MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM40 (MOM38 PROTEIN) (TRANSLOCASE OF OUTER MEMBRANE 40 KD SUBUNIT)//6.10E-12//184aa//31%//P24391
- C-NT2RP2001634//Homo sapiens alpha-catenin-like protein mRNA, complete cds//0//2445bp//99%//U97067
- C-NT2RP2001660//Homo sapiens putative 13 S Golgi transport complex 90kD subunit brain-specific isoform mRNA

NA, complete cds.//0//1287bp//99%//AF058718
 C-NT2RP2001663//ENOLASE (EC 4.2.1.11) (2-PHOSPHOGLYCERATE DEHYDRATASE), (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE) (FRAGMENT).//1.10E-47//126aa//53%//P42897
 C-NT2RP2001740//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING ENZYME 1)//7.90E-52//220aa//44%//Q61068
 5 C-NT2RP2001748//FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESYL DIPHOSPHATE SYNTHETASE) (DIMETHYLALLYLTRANSFERASE (EC 2.5.1.1) / GERANYLTRANSTRANSFERASE (EC 2.5.1.10)) (KIAA0032).//5.40E-47//96aa//797%//P14324
 10 C-NT2RP2001756//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.70E-49//411aa//32%//P51523
 C-NT2RP2001839//SCY1 PROTEIN.//5.40E-32//621aa//24%//P53009
 C-NT2RP2001869//ZINC FINGER PROTEIN 191.//7.10E-26//126aa//52%//O14754
 C-NT2RP2001876//ALLOGRAFT INFLAMMATORY FACTOR-1 (AIF-1) (IONIZED CALCIUM BINDING ADAPTER MOLECULE 1).//1.20E-45//141aa//65%//P55008
 15 C-NT2RP2001883//Homo sapiens CGI-01- protein mRNA, complete cds.//0//2306bp//99%//AF132936
 C-NT2RP2001898//Human inositol polyphosphate 5-phosphatase (5ptase) mRNA, 3' end.//0//2518bp//98%//M74161
 C-NT2RP2001900//ACTIN-LIKE PROTEIN ARP5.//2.30E-38//395aa//30%//P53946
 20 C-NT2RP2001976//Mus musculus calmodulin-binding protein SHA1 (Sha1) mRNA, complete cds.//4.70E-177//1538bp//74%//AF062378
 C-NT2RP2001985//Homo sapiens high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha mRNA, complete cds.//2.00E-38//435bp//67%//AF090989
 C-NT2RP2001991//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73.//6.50E-129//279aa//85%//Q08469
 25 C-NT2RP2002025//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO).//1.70E-47//247aa//52%//P35331
 C-NT2RP2002046//Homo sapiens mRNA for transcription factor.//0//1664bp//99%//AJ130894
 C-NT2RP2002058//Homo sapiens WD repeat protein WDR3 (WDR3) mRNA, complete cds.//0//2510bp//99%//AF083217
 30 C-NT2RP2002066//Rattus norvegicus transmembrane receptor Unc5H2 mRNA, complete cds.//1.60E-226//1301bp//88%//U87306
 C-NT2RP2002078//PECANEX PROTEIN.//1.80E-09//195aa//32%//P18490
 C-NT2RP2002079//HISTONE H1, GONADAL.//4.40E-11//214aa//34%//P02256
 35 C-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein.//0//33 89bp//99%//AJ007509
 C-NT2RP2002105//H.sapiens MSH-R gene for melanocyte stimulating hormone receptor.//0//1644bp//98%//X65634
 C-NT2RP2002124//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUITOUS NUCLEAR PROTEIN HOMOLOG).//4.30E-44//155aa//37%//Q13107
 40 C-NT2RP2002185//Homo sapiens ubiquilin mRNA, complete cds.//0//1789bp//99%//AF176069
 C-NT2RP2002193//Homo sapiens PIAS3 mRNA for protein inhibitor of activated STAT3, complete cds.//0//2809bp//99%//AB021868
 C-NT2RP2002252//Mus musculus (clone pVZmSin3A9) mSin3A9 mRNA, complete cds.//0//3118bp//91%//L38621
 45 C-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds.//0//1528bp//98%//AF005418
 C-NT2RP2002270//AF-9 PROTEIN.//1.20E-07//74aa//36%//P42568
 C-NT2RP2002312//Homo sapiens mRNA for CDS2 protein.//0//2333bp//99%//Y16521
 C-NT2RP2002325//Homo sapiens mRNA for Pex11p, complete cds.//8.40E-254//1158bp//99%//AB015594
 C-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds.//4.30E-240//1105bp//99%//AF038958
 50 C-NT2RP2002408//Homo sapiens mRNA for TOLLIP protein.//3.20E-210//1136bp//93%//AJ242972
 C-NT2RP2002442//HESA PROTEIN.//2.80E-14//163aa//30%//P46037
 C-NT2RP2002464//DNA CROSS-LINK REPAIR PROTEIN PSO2/SNM1.//6.50E-07//171aa//27%//P30620
 C-NT2RP2002479//Homo sapiens mRNA for ABC transporter 7 protein, complete cds.//0//2180bp//99%//AB005289
 55 C-NT2RP2002503//ZINC FINGER PROTEIN 45 (BRC1744).//4.60E-144//537aa//49%//Q02386
 C-NT2RP2002520//Homo sapiens transcription factor RFX-B (RFXB) mRNA, complete cds.//3.70E-34//668bp//61%//AF105427

- C-NT2RP2002537//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X//6.20E-19//288aa//26%//Q11073
- C-NT2RP2002591//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//1.20E-155//562aa//50%//P51523
- 5 C-NT2RP2002595//PROBABLE CALCIUM-BINDING PROTEIN ALG-2 (PMP41) (ALG-257)//7.50E-35//181aa//42%//P12815
- C-NT2RP2002606//Rattus norvegicus Rabin3 mRNA, complete cds//9.20E-147//874bp//87%//U19181
- C-NT2RP2002609//2-HYDROXYMUCONIC SEMIALDEHYDE HYDROLASE (EC 3.1.1.-) (HMSH)//2.80E-08//109aa//37%//P19076
- 10 C-NT2RP2002618//PROTEIN ARGININE N-METHYLTRANSFERASE 2 (EC 2.1.1.)//1.70E-51//326aa//38%//P55345
- C-NT2RP2002701//HYPOTHETICAL 38.1 KD PROTEIN C2F12.15C IN CHROMOSOME II//1.90E-14//210aa//30%//O14345
- C-NT2RP2002710//SH3-BINDING PROTEIN 3BP-1//4.90E-85//489aa//43%//P55194
- 15 C-NT2RP2002727//Rattus norvegicus tulip 2 mRNA, complete cds//3.50E-74//727bp//72%//AF041107
- C-NT2RP2002741//Homo sapiens mRNA for Neuroblastoma, complete cds//9.90E-54//964bp//64%//D89016
- C-NT2RP2002862//60S ACIDIC RIBOSOMAL PROTEIN P0 (LIGHT-INDUCED 34 KD PROTEIN)//8.80E-10//203aa//27%//P29764
- C-NT2RP2002880//GLUCOSE REPRESSION MEDIATOR PROTEIN//0.000039//206aa//23%//P14922
- 20 C-NT2RP2002928//Homo sapiens pre-mRNA splicing factor (PRP17) mRNA, complete cds//1.90E-136//623bp//100%//AF038392
- C-NT2RP2002929//HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHROMOSOME II//4.10E-87//395aa//40%//Q18964
- C-NT2RP2002939//ZINC FINGER PROTEIN 136//5.40E-70//282aa//42%//P52737
- 25 C-NT2RP2002959//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2)//4.60E-80//147aa//100%//P51669
- C-NT2RP2002980//30S RIBOSOMAL PROTEIN S10//1.00E-08//98aa//36%//P10129
- C-NT2RP2002986//Homo sapiens mRNA for Kelch motif containing protein, complete cds//0//2209bp//99%//AB026190
- 30 C-NT2RP2002993//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135)//0//716aa//91%//P70700
- C-NT2RP2003000//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PROTEIN)//L90E-11//132aa//38%//Q13829
- C-NT2RP2003121//Mus musculus enhancer of polycbmb (Epc1) mRNA, complete cds//2.30E-82//642bp//68%//AF079765
- 35 C-NT2RP2003125//RING CANAL PROTEIN (KELCH PROTEIN)//2.40E-38//539aa//25%//Q04652
- C-NT2RP2003137//UBIQUITIN//0.000026//70aa//30%//P13117
- C-NT2RP2003157//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75)//1.30E-13//185aa//38%//Q08170
- 40 C-NT2RP2003158//Homo sapiens mRNA for proteasome subunit p58, complete cds//0//2091bp//99%//D67025
- C-NT2RP2003164//Homo sapiens mRNA for protein kinase//0//2313bp//99%//AJ132545
- C-NT2RP2003177//Homo sapiens recombination and sister chromatid cohesion protein homolog (hrec8) mRNA, partial cds//0//1641bp//99%//AF006264
- C-NT2RP2003228//H.sapiens PI-Cdc21 mRNA//0//2870bp//98%//X74794
- 45 C-NT2RP2003230//Rattus norvegicus endo-alpha-D-mannosidase (Enman) mRNA, complete cds//2.60E-186//1551bp//77%//AF023657
- C-NT2RP2003243//Homo sapiens partial mRNA for putative p621 protein which interacts with transcription factor Sp1//0//1544bp//99%//AJ242978
- C-NT2RP2003265//Homo sapiens CGI-53 protein mRNA, complete cds//0//1580bp//99%//AF151811
- 50 C-NT2RP2003272//Homo sapiens ubiquitin mRNA, complete cds//0//1789bp//99%//AF176069
- C-NT2RP2003277//NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT SUPPRESSOR 1)//1.90E-16//145aa//43%//P30771
- C-NT2RP2003286//PROBABLE RNA 3'-TERMINAL PHOSPHATE CYCLASE (EC 6.5.1.4) (RNA-3'- PHOSPHATE CYCLASE) (RNA CYCLASE)//4.20E-88//374aa//47%//Q23400
- 55 C-NT2RP2003295//Homo sapiens RMP mRNA for RPB5 meidating protein, complete cds//0//1526bp//99%//AB006572
- C-NT2RP2003307//KINESIN LIGHT CHAIN (KLC)//2.20E-199//550aa//70%//Q07866
- C-NT2RP2003308//CROOKED NECK PROTEIN//5.40E-244//622aa//67%//P17886

- C-NT2RP2003329//PUTATIVE ADENYLATE CYCLASE REGULATORY PROTEIN.//3.60E-14//332aa//32%//P26337
- C-NT2RP2003347//BREAST CANCER TYPE 1 SUSCEPTIBILITY PROTEIN HOMOLOG.//0.000022//261aa//24%//P48754
- 5 C-NT2RP2003391//Homo sapiens mRNA for nuclear transport receptor.//0//1509bp//99%//AJ133769
- C-NT2RP2003394//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//5.50E-13//302aa//26%//P25386
- C-NT2RP2003401//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING ENZYME 1).//9.60E-78//346aa//43%//Q61068
- 10 C-NT2RP2003433//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.//5.00E-131//269aa//91%//P38378
- C-NT2RP2003466//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//0//2194bp//99%//AF126799
- 15 C-NT2RP2003480//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0//3012bp//99%//AF125158
- C-NT2RP2003506//NADPH-CYTQCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR).//5.40E-14//106aa//46%//P04175
- C-NT2RP2003513//Homo sapiens mRNA for paralemmin.//0//2137bp//97%//Y14770
- 20 C-NT2RP2003517//Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds.//0//1746bp//95%//M12783
- C-NT2RP2003522//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0//1764bp//99%//AF125158
- C-NT2RP2003543//HYPOTHETICAL TRNA/RRNA METHYLTRANSFERASE SLR1673 (EC 2.1.1.-).//1.70E-17//148aa//34%//P74261
- 25 C-NT2RP2003564//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A))//2.10E-59//270aa//46%//P19474
- C-NT2RP2003596//Mus musculus Fas-apoptosis inhibitory molecule (Faim) mRNA, complete cds.//4.80E-82//530bp//85%//AF130367
- 30 C-NT2RP2003604//Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds.//0//2442bp//99%//AF030233
- C-NT2RP2003643//Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.//9.40E-243//1624bp//82%//AJ006215
- C-NT2RP2003702//Homo sapiens 17 beta-hydroxysteroid dehydrogenase type VII (HSD17B7) mRNA, complete cds.//2.1e-313//978bp//99%//AF098786
- 35 C-NT2RP2003704//Homo sapiens mRNA for ATP-dependent metalloprotease YME1L.//1.80E-72//350bp//100%//AJ132637
- C-NT2RP2003713//Homo sapiens ubiquitin-specific protease 3 (USP3) mRNA, complete cds.//0//2018bp//99%//AF073344
- 40 C-NT2RP2003714//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//5.40E-29//85aa//72%//Q05481
- C-NT2RP2003737//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2).//1.70E-75//147aa//93%//P51669
- C-NT2RP2003760//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//0//869aa//80%//P53620
- 45 C-NT2RP2003781//HYPOTHETICAL 36.7 KD PROTEIN AH6.2 IN CHROMOSOME II.//5.50E-63//253aa//50%//Q09201
- C-NT2RP2003840//HYPOTHETICAL 48.1 KD PROTEIN B0403.2 IN CHROMOSOME X.//3.70E-21//137aa//43%//Q11076
- 50 C-NT2RP2003857//MYOTROPHIN (V-1 PROTEIN) (GRANULE CELL DIFFERENTIATION PROTEIN).//0.00000016//117aa//29%//Q91955
- C-NT2RP2003871//Homo sapiens transposon-derived Buster1 transposase-like protein gene, complete cds.//0//2807bp//99%//AF205601
- C-NT2RP2003912//SERINE/THREONINE-PROTEIN KINASE NEK1 (EC 2.7.1.-) (NIMA-RELATED PROTEIN KINASE 1).//6.10E-183//387aa//87%//P51954
- 55 C-NT2RP2003952//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE) (ARGININE AMINOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B).//1.50E-23//200aa//30%//O09175
- C-NT2RP2003981//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS8.//1.40E-16//664aa//720%//

P39702
 C-NT2RP2004013//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3)//
 2.30E-53//141aa//78%/P20290
 C-NT2RP2004041//SYNAPSINS IA AND B//0.00000074//159aa//32%/P17599
 5 C-NT2RP2004066//Mus musculus Mx2 interacting nuclear target protein mRNA, complete cds//2.70E-288//
 1994bp//81%/AF156529
 C-NT2RP2004098//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYL CYCLA-
 SE)//5.40E-30//319aa//31%/Q01513
 C-NT2RP2004170//Homo sapiens mRNA for transducin (beta) like 1 protein//1.10E-138//1236bp//74%/Y12781
 10 C-NT2RP2004187//ZINC FINGER PROTEIN 38 (ZFP-38) (CTFIN51) (TRANSCRIPTION FACTOR RU49)//
 5.60E-31//424aa//28%/Q07231
 C-NT2RP2004194//Rattus norvegicus Golgi SNARE GS15 mRNA, complete cds//3.80E-52//397bp//82%/AF003998
 C-NT2RP2004232//Homo sapiens EPK2 mRNA for serine/threonine kinase, complete cds//0//2272bp//99%/AB015982
 15 C-NT2RP2004239//Homo sapiens lok mRNA for protein kinase, complete cds//0//3044bp//99%/AB015718
 C-NT2RP2004242//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)//
 9.90E-12//427aa//26%/P19246
 C-NT2RP2004245//Mus musculus pantothenate kinase 1 beta (panK1beta) mRNA, complete cds//6.40E-117//
 20 1122bp//72%/AF200357
 C-NT2RP2004270//PROTEIN PTM1 PRECURSOR//1.40E-16//334aa//24%/P32857
 C-NT2RP2004366//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS 13//1.30E-51//505aa//
 29%/Q07878
 C-NT2RP2004389//PROBABLE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN S9 PRECURSOR//9.30E-15//
 25 126aa//39%/P38120
 C-NT2RP2004392//MNN4 PROTEIN//1.40E-11//143aa//27%/P36044
 C-NT2RP2004396//Homo sapiens mRNA for activator of S phase Kinase, complete cds//5.40E-243//1108bp//
 99%/AB028069
 C-NT2RP2004425//Mus musculus axotrophin mRNA, complete cds//0//2321bp//86%/AF155739
 30 C-NT2RP2004476//Homo sapiens cyclin L ania-6a mRNA, complete cds//0//2075bp//99%/AF180920
 C-NT2RP2004538//Mus musculus kinesin-like protein KIF1B (Kif1b) mRNA, complete cds//0//1387bp//86%/AF090190
 C-NT2RP2004568//PUTATIVE ATP-DEPENDENT RNA HELICASE C30D11.03//3.00E-117//625aa//40%/Q09903
 35 C-NT2RP2004587//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M)//
 7.30E-07//352aa//23%/P07197
 C-NT2RP2004655//Homo sapiens mRNA for leucine rich protein//8.50E-233//1061bp//99%/AJ006291
 C-NT2RP2004681//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)//
 2.60E-07//426aa//23%/P19246
 40 C-NT2RP2004689//HYPOTHETICAL 192.5 KD PROTEIN C6G9.10C IN CHROMOSOME I//5.60E-64//616aa//
 33%/Q92355
 C-NT2RP2004710//Mus musculus formin binding protein 30 mRNA, complete cds//1.50E-280//1464bp//85%/U40750
 C-NT2RP2004732//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M)//
 45 7.30E-07//352aa//23%/P07197
 C-NT2RP2004768//SERINE/THREONINE-PROTEIN KINASE NRK1 (EC 2.7.1.-) (N-RICH KINASE 1)//1.30E-
 26//190aa//41%/P38692
 C-NT2RP2004791//PUTATIVE LEUCYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.4) (LEUCINE-- TRNA
 LIGASE) (LEURS)//9.50E-73//153aa//59%/Q10490
 50 C-NT2RP2004799//PROBABLE SUCCINYL-COA LIGASE [GDP-FORMING], BETA-CHAIN PRECURSOR (EC
 6.2.1.4) (SUCCINYL-COA SYNTHETASE, BETA CHAIN) (SCS-BETA)//3.70E-135//414aa//62%/P53588
 C-NT2RP2004816//H58 PROTEIN//9.00E-173//327aa//98%/P40336
 C-NT2RP2004920//TRANSCRIPTIONAL REGULATOR ATRX (X-LINKED NUCLEAR PROTEIN) (HETERO-
 CHROMATIN PROTEIN 2) (HP1 ALPHA-INTERACTING PROTEIN) (HP1-BP38 PROTEIN)//4.20E-09//804aa//
 55 22%/Q061687
 C-NT2RP2004933//Homo sapiens mRNA for ZIP-kinase, complete cds//0//2103bp//99%/AB007144
 C-NT2RP2004959//P54 PROTEIN PRECURSOR//0.00000095//297aa//20%/P13692
 C-NT2RP2004961//Rattus norvegicus KRAB/zinc finger suppressor protein 1 (KS1) mRNA, complete cds//1.00E-

- 228//1666bp//75%//U56732
 C-NT2RP2004978//ACTIN-LIKE PROTEIN ARP8.//3.30E-47//353aa//30%//Q12386
 C-NT2RP2005003//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))//
 1.80E-99//376aa//43%//P19474
- 5 C-NT2RP2005012//Homo sapiens mRNA for SEC63 protein.//0//1693bp//99%//AJ011779
 C-NT2RP2005037//ANTI-SILENCING PROTEIN 1.//3.30E-47//155aa//59%//P32447
 C-NT2RP2005038//DNA NUCLEOTIDYLEXOTRANSFERASE (EC 2.7.7.31) (TERMINAL ADDITION ENZYME)
 (TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE) (TERMINAL TRANSFERASE).//4.00E-91//218aa//44%//
 Q92089
- 10 C-NT2RP2005116//PUTATIVE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 ALPHA SUBUNIT (EIF-3
 ALPHA).//2.00E-173//273aa//57%//P34466
 C-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein).//0//2388bp//98%//
 X98743
- 15 C-NT2RP2005139//2-5A-DEPENDENT RIBONUCLEASE (EC 3.1.26.-) (2-5A-DEPENDENT RNAASE) (RNASE
 L) (RIBONUCLEASE 4) (FRAGMENT).//0.000000022//139aa//35%//Q05921
 C-NT2RP2005144//Homo sapiens tubby like protein 3 (TULP3) mRNA, complete cds.//0.00E-01//1437bp//98%//
 AF045583
- C-NT2RP2005162//Homo sapiens aspartyl aminopeptidase mRNA, complete cds.//0//1615bp//99%//AF005050
 C-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein.//0//2769bp//98%//AJ007509
- 20 C-NT2RP2005204//Homo sapiens SUMO-1-activating enzyme E1N subunit (SUA1) mRNA, complete cds.//0//
 1262bp//99%//AF090385
 C-NT2RP2005239//Homo sapiens cysteine desulfurase (nifS) mRNA, complete cds.//0//2087bp//99%//AF097025
 C-NT2RP2005276//Homo sapiens mRNA for Acyl-CoA synthetase 3, complete cds.//0//2122bp//99%//D89053
 C-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds.//0//2992bp//99%//
- 25 AF060219
 C-NT2RP2005315//Homo sapiens meningioma-expressed antigen 5 (MEA5) mRNA, partial cds.//1.90E-170//
 780bp//100%//AF036144
 C-NT2RP2005325//Homo sapiens LIM-homeodomain protein HLHX2 (LHX2) mRNA, complete cds.//0//1643bp//
 99%//AF124735
- 30 C-NT2RP2005336//TRICHOHYALIN.//5.40E-10//545aa//22%//P37709
 C-NT2RP2005344//PROBABLE CALCIUM-TRANSPORTING ATPASE 5 (EC 3.6.1.38).//2.10E-124//636aa//
 38%//P32660
 C-NT2RP2005358//Homo sapiens methyl-CpG binding domain-containing protein MBD3 (MBD3) mRNA, com-
 plete cds.//0//2199bp//99%//AF072247
- 35 C-NT2RP2005360//Homo sapiens sentrin/SUMO-specific protease (SENP1) mRNA, complete cds.//1.30E-52//
 753bp//67%//AF149770
 C-NT2RP2005393//AUTOANTIGEN NGP-1.//7.20E-39//224aa//35%//Q13823
 C-NT2RP2005407//OXYSTEROL-BINDING PROTEIN.//5.30E-63//410aa//40%//P22059
 C-NT2RP2005436//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR
 SRP75).//1.20E-13//185aa//38%//Q08170
- 40 C-NT2RP2005441//Homo sapiens hypothalamus protein HT002 mRNA, complete cds.//4.10E-202//962bp//98%//
 AF113540
 C-NT2RP2005457//Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete
 cds.//1.20E-13 0//608bp//99%//AF070652
- 45 C-NT2RP2005465//MITOCHONDRIAL CARRIER PROTEIN RIM2.//3.00E-44//252aa//41%//P38127
 C-NT2RP2005476//Human pI90-B (pI90-B) mRNA, complete cds.//3.40E-108//668bp//88%//U17032
 C-NT2RP2005490//Mus musculus D3Mm3e (D3Mm3e) mRNA, complete cds.//1.80E-175//1102bp//83%//
 AF053628
- C-NT2RP2005491//PARAMYOSIN (PMY) (ANTIGEN B).//0.00000015//279aa//26%//P35418
- 50 C-NT2RP2005496//ZINC FINGER PROTEIN 135.//2.90E-146//398aa//59%//P52742
 C-NT2RP2005498//PROTEIN PHOSPHATASE PP2A, 55 KD REGULATORY SUBUNIT, ALPHA ISOFORM (PRO-
 TEIN PHOSPHATASE PP2A B SUBUNIT ALPHA ISOFORM) (ALPHA-PR55).//5.20E-81//166aa//88%//P36876
 C-NT2RP2005509//Homo sapiens CGI-45 protein mRNA, complete cds.//0//1825bp//99%//AF151803
 C-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//0//
 3994bp//99%//AF092563
- 55 C-NT2RP2005525//Mus musculus kanadaplin mRNA, complete cds.//2.40E-304//1687bp//85%//AF035526
 C-NT2RP2005531//PROTEIN 4.1 (BAND 4.1) (P4.1).//5.50E-70//393aa//39%//P11171
 C-NT2RP2005539//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//1560bp//98%//AJ012449

- C-NT2RP2005549//PUTATIVE LACTOYLGLUTATHIONE LYASE (EC 4.4.1.5) (METHYLGLYOXALASE) (ALDOKETOMUTASE) (GLYOXALASE I) (GLX I) (KETONE-ALDEHYDE MUTASE) (S-D-LACTOYLGLUTATHIONE METHYLGLYOXAL LYASE)//2.00E-20//181aa//36%//Q39366
- 5 C-NT2RP2005557//Homo sapiens clone 486790 diphosphoinositol polyphosphate phosphohydrolase mRNA, complete cds//1.00E-46//576bp//70%//AF062529
- C-NT2RP2005605//QUEUINE TRNA-RIBOSYLTRANSFERASE (EC 2.4.2.29) (TRNA-GUANINE TRANSGLYCOSYLASE) (GUANINE INSERTION ENZYME)//8.20E-23//164aa//28%//Q32053
- C-NT2RP2005620//Homo sapiens epsin 2a mRNA, complete cds//8.9e-313//1455bp//98%//AF062085
- 10 C-NT2RP2005635//PROBABLE NH(3)-DEPENDENT NAD(+) SYNTHETASE (EC 6.3.5.1)//1.00E-11//128aa//36%//P47623
- C-NT2RP2005654//CYSTEINE STRING PROTEIN (CCCS1)//1.20E-13//74aa//45%//P56101
- C-NT2RP2005669//Homo sapiens death effector domain-containing testicular molecule mRNA, complete cds//1.60E-248//1129bp//99%//AF043733
- 15 C-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds//4.40E-200//908bp//99%//AF089814
- C-NT2RP2005694//X-LINKED RETINITIS PIGMENTOSA GTPASE REGULATOR//2.60E-10//175aa//27%//Q92834
- C-NT2RP2005701//ZINC-FINGER PROTEIN RFP (RET FINGER PROTEIN)//3.00E-63//323aa//39%//Q62158
- C-NT2RP2005712//Homo sapiens myosin X (MYO10) mRNA, partial cds//0//2681 bp//99%//AF132022
- 20 C-NT2RP2005719//GPI-ANCHORED PROTEIN P137//4.00E-14//99aa//43%//Q14444
- C-NT2RP2005722//Homo sapiens ZK1 mRNA for Kruppel-type zinc finger protein, complete cds//0//2545bp//99%//AB011414
- C-NT2RP2005723//HNRNP ARGININE N-METHYLTRANSFERASE (EC 2.1.1.-) (ODP1 PROTEIN)//3.00E-09//169aa//28%//P38074
- 25 C-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds//0//1968bp//99%//AF068868
- C-NT2RP2005753//Homo sapiens l-1 receptor candidate protein mRNA, complete cds//0//1966bp//99%//AF082516
- C-NT2RP2005763//EUKARYOTIC INITIATION FACTOR 4A (EIF-4A)//1.70E-61//374aa//38%//P47943
- 30 C-NT2RP2005767//G.gallus PB1 gene//5.00E-163//1158bp//81%//X90849
- C-NT2RP2005773//Homo sapiens pyrroline 5-carboxylate reductase isoform (P5CR2) mRNA, complete cds//2.70E-180//656bp//99%//AF151351
- C-NT2RP2005775//NEUROLYSIN PRECURSOR (EC 3.4.24.16) (NEUROTENSIN ENDOPEPTIDASE) (MITOCHONDRIAL OLIGOPEPTIDASE M) (MICROSOMAL ENDOPEPTIDASE) (MEP) (SOLUBLE ANGIOTENSIN-BINDING PROTEIN) (SABP)//2.10E-213//249aa//85%//Q02038
- 35 C-NT2RP2005776//POLY(A) POLYMERASE TYPE 2 (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE)//4.40E-55//358aa//42%//P51005
- C-NT2RP2005784//Homo sapiens ubiquitin-conjugating enzyme variant Kua (UBE2V) mRNA, complete cds//0//2191bp//92%//AF155120
- 40 C-NT2RP2005812//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION//2.30E-39//318aa//31%//P40004
- C-NT2RP2005835//SHP1 PROTEIN//1.80E-28//208aa//32%//P34223
- C-NT2RP2005841//Homo sapiens mRNA for ALEX3, complete cds//3.50E-52//1091bp//59%//AB039669
- 45 C-NT2RP2005933//NUCLEOPORIN NUP57 (NUCLEAR PORE PROTEIN NUP57)//5.00E-11//155aa//34%//P48837
- C-NT2RP2005942//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE)//1.50E-67//388aa//44%//P25500
- C-NT2RP2006043//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75)//1.50E-13//185aa//38%//Q08170
- 50 C-NT2RP2006071//Homo sapiens adaptor protein APPL mRNA, complete cds//5.80E-120//1257bp//64%//AF169797
- C-NT2RP2006219//H.sapiens mRNA for DGCR6 protein//1.10E-214//1026bp//97%//X96484
- C-NT2RP2006238//Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds//0//1669bp//88%//U49055
- 55 C-NT2RP2006275//MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1]//2.00E-59//388aa//32%//P46821
- C-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds//2.80E-274//1236bp//99%//AF035262
- C-NT2RP2006436//ANTERIOR-RESTRICTED HOMEBOX PROTEIN (RATHKE POUCH HOMEO BOX)//

- 3.40E-07//50aa//50%//Q61658
 C-NT2RP2006456//Homo sapiens leucine-rich glioma-inactivated protein precursor (LGI1) mRNA, complete cds//
 1.30E-37//484bp//65%//AF055636
 C-NT2RP2006464//Homo sapiens mRNA for AND-1 protein//0//2181bp//99%//AJ006266
 5 C-NT2RP2006534//5'-AMP-ACTIVATED PROTEIN KINASE, CATALYTIC ALPHA-1 CHAIN (EC 2.7.1.-) (AMPK
 ALPHA-1 CHAIN) (FRAGMENT)//3.20E-11//32aa//96%//Q13131
 C-NT2RP2006565//Homo sapiens secretory carrier-associated membrane protein (SCAMP) mRNA, complete
 cds//3.10E-272//1220bp//95%//AF038966
 10 C-NT2RP2006571//CYTOCHROME P450 2G1 (EC 1.14.14.1) (CYPIIG1) (P450-NMB) (OLFACTIVE)//4.20E-
 134//486aa//50%//P24461
 C-NT2RP2006573//2',3'-CYCLIC NUCLEOTIDE 3'-PHOSPHODIESTERASE (EC 3.1.4.37) (CNP)//0.0000055//
 169aa//25%//P09543
 C-NT2RP2006598//Homo sapiens retinoid x receptor interacting protein mRNA, complete cds//3.10E-295//
 1193bp//99%//AF113538
 15 C-NT2RP3000031//HISTONE DEACETYLASE HDA1//1.10E-71//350aa//42%//P53973
 C-NT2RP3000046//MITOCHONDRIAL GTPASE MSS1 PRECURSOR//4.60E-78//421aa//37%//P32559
 C-NT2RP3000047//NPL4 PROTEIN//1.10E-85//526aa//36%//P33755
 C-NT2RP3000050//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//2.20E-150//490aa//
 53%//Q05481
 20 C-NT2RP3000068//SON OF SEVENLESS PROTEIN HOMOLOG 1 (SOS-1) (MSOS-1)//2.20E-06//165aa//27%//
 Q62245
 C-NT2RP3000085//ACETYL-/PROPIONYL-COENZYME A CARBOXYLASE ALPHA CHAIN [CONTAINS: BIOTIN
 CARBOXYLASE (EC 6.3.4.14); BIOTIN CARBOXYL CARRIER PROTEIN (BCCP)]//1.90E-123//436aa//50%//
 P46401
 25 C-NT2RP3000109//P54 PROTEIN PRECURSOR//0.0000065//358aa//22%//P13692
 C-NT2RP3000207//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-
 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//2.90E-11//721aa//23%//P08640
 C-NT2RP3000233//RING CANAL PROTEIN (KELCH PROTEIN)//9.30E-84//453aa//42%//Q04652
 C-NT2RP3000252//Homo sapiens GTP-binding protein NGB mRNA, complete cds//0//2388bp//99%//AF120334
 30 C-NT2RP3000299//Rattus norvegicus mRNA for Crk-associated substrate, pi 30, complete cds//0//2730bp//82%//
 D29766
 C-NT2RP3000320//Homo sapiens partial mRNA for putative p621 protein which interacts with transcription factor
 Sp1//0//1544bp//100%//AJ242978
 C-NT2RP3000333//Rattus norvegicus db83 mRNA, complete cds//2.90E-191//1094bp//85%//AB006135
 35 C-NT2RP3000341//Homo sapiens mitochondrial inner membrane preprotein translocase Tim17a mRNA, nuclear
 gene encoding mitochondrial protein, complete cds//1.50E-246//1124bp//99%//AF106622
 C-NT2RP3000350//Homo sapiens GTP-binding protein NGB mRNA, complete cds//0//2392bp//99%//AF120334
 C-NT2RP3000359//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3)//2.00E-111//
 226aa//92%//P08760
 40 C-NT2RP3000361//Homo sapiens mRNA, complete cds, similar to yeast pre-mRNA splicing factors, Prp1/Zer1
 and Prp6//0//2072bp//98%//AB019219
 C-NT2RP3000366//RAS-RELATED PROTEIN RAB-18//2.10E-107//206aa//99%//P35293
 C-NT2RP3000393//Rattus norvegicus DNA-binding protein PREB (Preb) mRNA, complete cds//5.80E-266//
 1373bp//86%//AF061817
 45 C-NT2RP3000397//PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE (DEAH BOX PROTEIN 13)//
 1.70E-139//679aa//41%//O43143
 C-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds//0//2364bp//99%//AF071185
 C-NT2RP3000439//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION//2.90E-15//
 319aa//26%//P37908
 50 C-NT2RP3000441//Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, com-
 plete cds//3.40E-42//645bp//67%//AF098066
 C-NT2RP3000512//Human HOX2G mRNA from the Hox2 locus//0//1934bp//99%//X16667
 C-NT2RP3000527//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6)//4.80E-28//536aa//27%//P28160
 C-NT2RP3000531//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN)//1.90E-12//192aa//30%//
 55 P15151
 C-NT2RP3000562//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds//0//2165bp//99%//
 AF093097
 C-NT2RP3000578//HES1 PROTEIN//1.30E-22//229aa//27%//P35843

C-NT2RP3000590//UVS-2 PROTEIN //1.30E-22//458aa//24%/P33288
 C-NT2RP3000596//TRICHOHYALIN //2.50E-17//304aa//28%/Q07283
 C-NT2RP3000603//NEUROGENIC DIFFERENTIATION FACTOR 1 //3.70E-11//90aa//42%/Q13562
 C-NT2RP3000605//Mus musculus mRNA for wizL, complete cds //0//2232bp//82%/AB012265
 5 C-NT2RP3000624//Rattus norvegicus mRNA for SECIS binding protein 2 (sbp2 gene) //5.80E-234//1562bp//81%/AJ251245
 C-NT2RP3000632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2) //3.00E-140//499aa//46%/P51523
 C-NT2RP3000739//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN) //1.40E-24//155aa//37%/Q10149
 10 C-NT2RP3000742//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT) //4.10E-165//371aa//49%/P10895
 C-NT2RP3000753//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H) //2.00E-10//565aa//24%/P12036
 15 C-NT2RP3000759//ADP-RIBOSYLATION FACTOR //7.00E-28//176aa//34%/Q94650
 C-NT2RP3000825//NEUROGENIC LOCUS NOTCH 3 PROTEIN //2.50E-36//417aa//31%/Q61982
 C-NT2RP3000826//Homo sapiens mRNA for seven transmembrane protein TM7SF3, complete cds //0//2522bp//99%/AB032470
 20 C-NT2RP3000845//PUTATIVE SERINE/THREONINE-PROTEIN KINASE P78 (EC 2.7.1.-) //8.30E-108//331aa//50%/P27448
 C-NT2RP3000868//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds //6.90E-69//1611bp//61%/U53445
 C-NT2RP3000869//Drosophila melanogaster AAA family protein Bor (bor) mRNA, complete cds //2.60E-138//1673bp//67%/AF227209
 25 C-NT2RP3000875//MEVALONATE KINASE (EC 2.7.1.36) (MK) //7.70E-87//175aa//98%/Q03426
 C-NT2RP3000917//DHP1 PROTEIN //1.00E-193//428aa//55%/P40848
 C-NT2RP3000919//Rattus norvegicus golgi peripheral membrane protein p65 (GRASP65) mRNA, complete cds //2.70E-185//585bp//88%/AF015264
 30 C-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A //1.90E-46//73aa//98%/P39027
 C-NT2RP3000994//MATERNAL EFFECT PROTEIN STAUFEN //0.00000006//78aa//48%/P25159
 C-NT2RP3001055//Drosophila melanogaster separation anxiety protein (san) mRNA, complete cds //3.80E-38//462bp//70%/AF225902
 C-NT2RP3001057//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7) //9.00E-201//584aa//54%/Q05481
 35 C-NT2RP3001081//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds //7.10E-47//537bp//74%/AF060219
 C-NT2RP3001096//Rattus norvegicus leprecan (lepre1) mRNA, complete cds //1.70E-94//787bp//66%/AF087433
 40 C-NT2RP3001107//PEREGRIN (BR140 PROTEIN) //3.00E-44//260aa//40%/P55201
 C-NT2RP3001111//Homo sapiens TRF-proximal protein mRNA, complete cds //1.50E-149//731bp//97%/AF097725
 C-NT2RP3001113//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1 //2.90E-11//631aa//23%/P25386
 45 C-NT2RP3001120//ZINC FINGER, PROTEIN 136 //7.80E-170//512aa//58%/P52737
 C-NT2RP3001140//F-SPONDIN PRECURSOR //9.90E-238//419aa//96%/P35446
 C-NT2RP3001150//TRANSCRIPTION TERMINATION FACTOR RHO //0.00000031//207aa//29%/P52154
 C-NT2RP3001155//Homo sapiens mRNA for AND-1 protein //0//2732bp//99%/AJ006266
 C-NT2RP3001176//HYPOTHETICAL 65.3 KD PROTEIN IN MAD1-SCY1 INTERGENIC REGION //1.70E-10//196aa//27%/P53154
 50 C-NT2RP3001216//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I) (FRAGMENT) //0.0000023//137aa//33%/P35663
 C-NT2RP3001221//GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1) (GAMMA-BUTYROBETAINE HYDROXYLASE) //1.90E-31//353aa//30%/P80193
 55 C-NT2RP3001239//MICROTUBULE-ASSOCIATED PROTEIN 1B (MAP1.2) (MAP1(X)) [CONTAINS: LIGHT CHAIN LC1] //1.20E-166//395aa//51%/P14873
 C-NT2RP3001253//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110) //1.70E-10//540aa//23%/P32380

- C-NT2RP3001268//Homo sapiens zinc finger protein ZNF228 (ZNF228) mRNA, complete cds.//0//3606bp//99%//AF198358
- C-NT2RP3001272//Mus musculus mRNA for macrophage actin-associated-tyrosine-phosphorylated protein.//1.30E-99//669bp//83 %//Y18101
- 5 C-NT2RP3001307//Gallus gallus RPE65 mRNA, complete cds.//4.20E-29//530bp//63%//AB017594
- C-NT2RP3001338//ZINC FINGER PROTEIN 81 (FRAGMENT).//2.40E-16//175aa//28%//P51508
- C-NT2RP3001355//TRICARBOXYLATE TRANSPORT PROTEIN PRECURSOR (CITRATE TRANSPORT PROTEIN) (CTP) (TRICARBOXYLATE CARRIER PROTEIN) //3.60E-25//129aa//34%//P32089
- C-NT2RP3001383//Mus musculus ARL-6 interacting protein-6 (Aip-6) mRNA, partial cds.//3.40E-40//355bp//79%//AF133913
- 10 C-NT2RP3001384//Homo sapiens mRNA for LA95 protein.//0//1214bp//99%//AJ243467
- C-NT2RP3001398//TRANSCRIPTIONAL REPRESSOR CTCF.//1.30E-61//374aa//36%//P49711
- C-NT2RP3001399//SSU72 PROTEIN.//1.30E-16//84aa//52%//P53538
- C-NT2RP3001407//SCY1 PROTEIN.//0.00000033//143aa//25%//P53009
- 15 C-NT2RP3001426//DNAJ PROTEIN (FRAGMENT).//1.00E-16//77aa//46%//O33529
- C-NT2RP3001427//WERNER SYNDROME HEUCASE HOMOLOG.//2.70E-10//159aa//33%//O09053
- C-NT2RP3001428//NUCLEOPROTEIN TPR.//1.40E-128//152aa//99%//P 12270
- C-NT2RP3001453//ANTIGEN PEPTIDE TRANSPORTER 2 (APT2) (HISTOCOMPATIBILITY ANTIGEN MODIFIER 2).//3.20E-90//157aa//59%//P36371
- 20 C-NT2RP3001457//Drosophila melanogaster Melted (melt) mRNA, partial cds.//4.60E-20//792bp//59%//AF205831
- C-NT2RP3001472//NONHISTONE CHROMOSOMAL PROTEIN 6A.//9.10E-13//87aa//43%//P11632
- C-NT2RP3001495//Human oxidoreductase (HHOMA56) mRNA, complete cds.//0//1475bp//99%//U13395
- C-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds.//0//2295bp//99%//AF064801
- 25 C-NT2RP3001527//Human Sp140 protein (Sp140) mRNA, complete cds.//4.30E-290//793bp//93%//U63420
- C-NT2RP3001529//SPO0B-ASSOCIATED GTP-BINDING PROTEIN.//1.00E-61//345aa//42%//P20964
- C-NT2RP3001538//HYPOTHETICAL 39.0 KD PROTEIN T28D9.3 IN CHROMOSOME II.//9.10E-10//158aa//31%//Q10022
- 30 C-NT2RP3001554//MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1].//1.40E-76//388aa//32%//P46821
- C-NT2RP3001580//Mus musculus strain C57BL/J germ cell-less protein (Gcl) mRNA, complete cds.//0//1730bp//85%//AF163665
- C-NT2RP3001587//Human anthracycline-associated resistance ARX mRNA, complete cds.//0//2617bp//99%//U35832
- 35 C-NT2RP3001642//HYPOTHETICAL PROTEIN KIAA0210.//6.80E-18//91aa//38%//Q92609
- C-NT2RP3001646//WD-40 REPEAT PROTEIN MSI2.//8.80E-09//132aa//31%//O22468
- C-NT2RP3001671//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//1557bp//98%//AJ012449
- C-NT2RP3001672//Homo sapiens Sex comb on midleg homolog 1 isoform 2 (SCMH1) mRNA, complete cds.//0//2836bp//99%//AF149046
- 40 C-NT2RP3001679//Homo sapiens rec mRNA, complete cds.//0//2495bp//99%//AB023584
- C-NT2RP3001688//Homo sapiens DNA binding protein p96PIF mRNA, complete cds.//0//1869bp//99%//AF173868
- C-NT2RP3001690//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//0.00000024//481aa//21%//P25386
- 45 C-NT2RP3001708//TWISTED GASTRULATION PROTEIN PRECURSOR.//3.40E-33//161aa//32%//P54356
- C-NT2RP3001712//Homo sapiens HP1-BP74 protein mRNA, complete cds.//0//1788bp//99%//AF113534
- C-NT2RP3001723//Homo sapiens cell recognition molecule Caspr2 (CASPR2) mRNA, complete cds.//1.40E-58//1138bp//63%//AF193613
- 50 C-NT2RP3001724//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds.//1.10E-240//902bp//99%//AF054177
- C-NT2RP3001727//Rattus norvegicus implantation-associated protein (IAG2) mRNA, partial cds.//6.90E-132//774bp//88%//AF008554
- C-NT2RP3001730//SEPTIN 2 HOMOLOG (FRAGMENT).//7.10E-132//294aa//84%//Q14141
- 55 C-NT2RP3001739//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I.//1.40E-15//190aa//32%//Q09701
- C-NT2RP3001792//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M).//1.80E-117//462aa//55%//P52272

- C-NT2RP3001799//MYOSIN HEAVY CHAIN, STRIATED MUSCLE //1.60E-11//348aa//27%/P24733
 C-NT2RP3001819//RING CANAL PROTEIN (KELCH PROTEIN) //7.40E-18//249aa//30%/Q04652
 C-NT2RP3001854//Homo sapiens novel retinal pigment epithelial cell protein (NORPEG) mRNA, complete cds.//0//2742bp//99%/AF155135
- 5 C-NT2RP3001855//HOMEBOX PROTEIN PKNOX1 (HOMEBOX PROTEIN PREP-1) //8.10E-125//302aa//60%/P55347
 C-NT2RP3001857//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 //1.20E-14//242aa//24%/Q00808
 C-NT2RP3001898//Homo sapiens mRNA for UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV, complete cds.//0//1587bp//100%/AB000624
- 10 C-NT2RP3001931//Rattus norvegicus clone C48 CDK5 activator-binding protein mRNA, complete cds.//4.30E-91//656bp//81%/AF177478
 C-NT2RP3001938//SPORULATION-SPECIFIC PROTEIN 1 (EC 2.7.1.-) //1.30E-22//227aa//33%/P08458
 C-NT2RP3001944//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III //3.10E-92//314aa//51%/Q09251
- 15 C-NT2RP3001969//TRICHOHYALIN //2.70E-11//442aa//23%/P37709
 C-NT2RP3002004//H.sapiens mRNA for FAST kinase //1.50E-192//475bp//94%/X86779
 C-NT2RP3002007//SAP1 PROTEIN //1.1 OE-68//474aa//32%/P39955
 C-NT2RP3002014//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III //5.30E-25//139aa//48%/Q09232
- 20 C-NT2RP3002045//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT) //1.00E-299//397aa//94%/P18484
 C-NT2RP3002056//RETINOBLASTOMA BINDING PROTEIN 1 (RBBP-1) //2.00E-48//475aa//35%/P29374
 C-NT2RP3002062//Homo sapiens BAG-family molecular chaperone regulator-5 mRNA, complete cds.//0//3764bp//99%/AF095195
- 25 C-NT2RP3002081//Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.//4.10E-233//1896bp//69%/AF111423
 C-NT2RP3002108//DEC1 PROTEIN (MDM20 PROTEIN) //7.90E-09//181aa//22%/Q12387
 C-NT2RP3002151//G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG (GTP-BINDING PROTEIN GST1-HS) //2.80E-253//474aa//93%/P15170
- 30 C-NT2RP3002165//TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP //1.90E-151//223aa//91%/Q02614
 C-NT2RP3002273//SCD6 PROTEIN //1.30E-09//295aa//28%/P45978
 C-NT2RP3002303//PROBABLE UNDECAPRENYL PYROPHOSPHATE SYNTHETASE (EC 2.5.1.31) (UPP SYNTHETASE) (DI-TRANS-POLY-CIS-DECAPRENYLCISTRANSFERASE) //8.60E-49//243aa//43%/Q58767
- 35 C-NT2RP3002330//Homo sapiens eRFS mRNA, complete cds.//0//2443bp//99%/U87791
 C-NT2RP3002351//Human mRNA for NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase (EC 1.5.1.15) //4.20E-70//590bp//76%/X16396
 C-NT2RP3002399//DNA REPLICATION LICENSING FACTOR MCM4 (CDC21 HOMOLOG) (P1-CDC21) //8.60E-79//416aa//34%/P33991
- 40 C-NT2RP3002501//THREONINE DEHYDRATASE CATABOLIC (EC 4.2.1.16) (THREONINE DEAMINASE) //3.70E-43//318aa//37%/P05792
 C-NT2RP3002529//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS45 //8.90E-95//542aa//38%/P38932
 C-NT2RP3002549//HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III //5.80E-40//161aa//52%/Q10010
- 45 C-NT2RP3002602//PROBABLE PROTEIN DISULFIDE ISOMERASE ER-60 PRECURSOR (EC 5.3.4.1) (ERP60) (58 KD MICROSOMAL PROTEIN) (P58) (HIP-70) (Q-2) //2.90E-19//173aa//28%/P11598
 C-NT2RP3002628//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1) //2.50E-26//90aa//42%/P38660
- 50 C-NT2RP3002631//Homo sapiens Ran binding protein 11 mRNA, complete cds.//0//1703bp//99%/AF111109
 C-NT2RP3002650//Mus musculus growth suppressor 1L (Gros1) mRNA, complete cds.//0//2109bp//87%/AF165163
 C-NT2RP3002663//Homo sapiens putative glycolipid transfer protein mRNA, complete cds.//8.10E-263//1243bp//97%/AF103731
- 55 C-NT2RP3002671//ELONGATION FACTOR 2 (EF-2) //2.50E-73//179aa//36%/P13060
 C-NT2RP3002682//Homo sapiens CGI-145 protein mRNA, complete cds.//0//1596bp//98%/AF151903
 C-NT2RP3002688//Mouse mRNA for kinesin-like protein (Kif1b), complete cds.//1.10E-93//1205bp//69%/D17577
 C-NT2RP3002770//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116 //1.00E-07//70aa//

41%//P17564
 C-NT2RP3002785//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN)//2.50E-55//187aa//39%//Q24371
 C-NT2RP3002810//HISTIDINE-RICH PROTEIN KE4//2.20E-10//260aa//26%//Q31125
 C-NT2RP3002818//INSERTION ELEMENT IS2A HYPOTHETICAL 48.2 KD PROTEIN//5.70E-226//303aa//97%//
 5 P51026
 C-NT2RP3002869//Mus musculus semaphorin VIa mRNA, complete cds//2.50E-232//1282bp//85%//AF030430
 C-NT2RP3002876//Drosophila melanogaster eyelid (eld) mRNA, complete cds//1.30E-29//805bp//61%//
 AF053091
 C-NT2RP3002909//P53-BINDING PROTEIN 2 (53BP2) (BCL2-BINDING PROTEIN) (BBP)//1.50E-125//512aa//
 10 47%//Q13625
 C-NT2RP3002948//RING CANAL PROTEIN (KELCH PROTEIN)//2.00E-111//551aa//42%//Q04652
 C-NT2RP3002953//Homo sapiens protocadherin beta 5 (PCDH-beta5) mRNA, complete cds//0//2388bp//99%//
 AF152498
 C-NT2RP3002969//Homo sapiens mRNA for Acyl-CoA synthetase 3, complete cds//0//2722bp//99%//D89053
 15 C-NT2RP3002972//Halocynthia roretzi mRNA for HrPET-1, complete cds//3.90E-52//899bp//64%//AB029333
 C-NT2RP3002988//Homo sapiens Ikb kinase-b (IKK-beta) mRNA, complete cds//1.80E-292//1325bp//99%//
 AF080158
 C-NT2RP3003032//Homo sapiens okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP-19) mR-
 NA, complete cds//0//2656bp//99%//AF084555
 20 C-NT2RP3003059//Rattus norvegicus potassium channel regulator 1 mRNA, complete cds//3.80E-152//1007bp//
 82%//U78090
 C-NT2RP3003061//ANKYRIN//1.40E-20//200aa//37%//Q02357
 C-NT2RP3003071//NEUROGENIC PROTEIN BIG BRAIN//1.10E-05//258aa//24%//P23645
 C-NT2RP3003078//Rattus norvegicus mRNA for ischemia related factor NYW-1, complete cds//2.60E-112//
 25 633bp//88%//AB027149
 C-NT2RP3003101//Mouse mRNA for tetracycline transporter-like protein, complete cds//3.60E-83//807bp//72%//
 D88315
 C-NT2RP3003133//Homo sapiens ZK1 mRNA for Kruppel-type zinc finger protein, complete cds//0//1998bp//
 91%//AB011414
 30 C-NT2RP3003138//Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds//0//2159bp//98%//
 AF071592
 C-NT2RP3003145//Mus musculus metallocarboxypeptidase CPX-1 mRNA, complete cds//0//2251bp//81%//
 AF077738
 C-NT2RP3003185//TROPOMYOSIN1, FUSION PROTEIN 33//2.80E-06//402aa//23%//P49455
 35 C-NT2RP3003193//ZINC FINGER PROTEIN 135//7.30E-98//269aa//62%//P52742
 C-NT2RP3003197//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME I//5.70E-09//169aa//
 31%//Q09674
 C-NT2RP3003203//Rattus norvegicus golgi stacking protein homolog GRASP55 mRNA, complete cds//2.00E-
 210//1851 bp//76%//AF110267
 40 C-NT2RP3003212//Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds//4.30E-
 187//1750bp//75%//U20286
 C-NT2RP3003230//Homo sapiens mRNA for hCRNN4, complete cds//0//2350bp//99%//AB030656
 C-NT2RP3003242//Homo sapiens stanniocalcin-related protein mRNA, complete cds//0//2366bp//99%//
 AF098462
 45 C-NT2RP3003251//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))//
 4.20E-86//366aa//48%//P19474
 C-NT2RP3003282//Homo sapiens dynamin (DNM) mRNA, complete cds//0//2596bp//98%//L36983
 C-NT2RP3003290//Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds//1.5e-310//1468bp//82%//
 AB033922
 50 C-NT2RP3003301//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-)//1.10E-170//
 585aa//54%//Q64948
 C-NT2RP3003313//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP80 mR-
 NA, complete cds//0//2476bp//99%//AF117657
 C-NT2RP3003327//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))
 55 (RO52)//1.30E-35//178aa//44%//Q62191
 C-NT2RP3003353//HYPOTHETICAL 26.2 KD PROTEIN IN GDI1-COX15 INTERGENIC REGION//2.80E-07//
 161aa//28%//P40084
 C-NT2RP3003385//Mus musculus SKD3 mRNA, complete cds//0//2133bp//85%//U09874

- C-NT2RP3003409//Human DHHC-domain-containing cysteine-rich protein mRNA, complete cds//9.20E-45//782bp//65%/U90653
- C-NT2RP3003411//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds//6.30E-270//743bp//90%/AF071317
- 5 C-NT2RP3003490//Homo sapiens mRNA for putative phospholipase, complete cds//4.50E-81//649bp//67%/AB019435
- C-NT2RP3003491//Drosophila melanogaster Pelle associated protein Pellino (Pli) mRNA, complete cds//5.60E-36//842bp//62%/AF091624
- C-NT2RP3003500//SCY1 PROTEIN//9.20E-27//601aa//23%/P53009
- 10 C-NT2RP3003555//HYPOTHETICAL 32.6 KD PROTEIN IN MET30-PIG2 INTERGENIC REGION//4.50E-30//191aa//40%/P40529
- C-NT2RP3003589//Homo sapiens ras-related GTP-binding protein mRNA, complete cds//0//3131bp//94%/AF106681
- C-NT2RP3003659//HES1 PROTEIN//5.90E-22//229aa//27%/P35843
- 15 C-NT2RP3003665//Homo sapiens mRNA for beta-ureidopropionase, complete cds//0//1690bp//99%/AB013885
- C-NT2RP3003672//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PROTEIN) (12E7)//2.20E-13//146aa//42%/P14209
- C-NT2RP3003701//F-SPONDIN PRECURSOR//1.80E-17//324aa//26%/P35446
- C-NT2RP3003716//SLIT PROTEIN PRECURSOR//6.60E-10//150aa//34%/P24014
- 20 C-NT2RP3003726//Homo sapiens spermatogenesis associated PD1 mRNA, complete cds//0//2568bp//99%/U28164
- C-NT2RP3003799//Rattus norvegicus Srg1 (Sytr1) mRNA, complete cds//9.00E-238//1529bp//84%/U71294
- C-NT2RP3003800//Rattus norvegicus tyrosine protein kinase pp60-c-src mRNA, complete cds//1.90E-163//924bp//89%/AF130457
- 25 C-NT2RP3003809//SAV PROTEIN//1.10E-131//576aa//41%/Q07590
- C-NT2RP3003825//PHOSPHATIDYLCHOLINE TRANSFER PROTEIN (PC-TP)//9.60E-19//174aa//31%/P02720
- C-NT2RP3003831//Homo sapiens ENDOGL-1 (alias ENGL-a) mRNA for endonuclease G-like protein-1, complete cds//2.2e-316//1436bp//99%/AB020523
- 30 C-NT2RP3003846//Homo sapiens mRNA for putative phospholipase, complete cds//4.80E-277//1255bp//99%/AB019435
- C-NT2RP3003876//Rattus norvegicus Rabin3 mRNA, complete cds//4.50E-147//874bp//87%/U19181
- C-NT2RP3003914//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT)//2.20E-20//76aa//64%/Q09332
- 35 C-NT2RP3003918//Homo sapiens VAMP-associated protein B (VAP-B) mRNA, complete cds//0//2191bp//99%/AF086628
- C-NT2RP3004013//M.musculus Spnr mRNA for RNA binding protein//6.50E-240//1215bp//94%/X84692
- C-NT2RP3004016//TRANSCRIPTION INTERMEDIARY FACTOR 1-BETA (NUCLEAR COREPRESSOR KAP-1) (KRAB-ASSOCIATED PROTEIN 1)//1.50E-17//226aa//26%/Q13263
- 40 C-NT2RP3004078//H.sapiens HRFX2 mRNA//0//1806bp//99%/X76091
- C-NT2RP3004125//Mus musculus zinc finger protein splice variant FIZ1-B (Fiz1) mRNA, complete cds//4.60E-229//1560bp//78%/AF126747
- C-NT2RP3004148//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)//7.90E-05//271aa//22%/P08640
- 45 C-NT2RP3004155//Homo sapiens COQ7 protein mRNA, complete cds//1.10E-179//823bp//100%/AF098948
- C-NT2RP3004189//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//1.30E-14//242aa//24%/Q00808
- C-NT2RP3004206//CROOKED NECK PROTEIN//1.40E-220//567aa//67%/P17886
- C-NT2RP3004207//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene)//0//2445bp//100%/AJ245820
- 50 C-NT2RP3004209//Homo sapiens ubiquitin processing protease (Ubp-M) mRNA, complete cds//0//2320bp//99%/AF126736
- C-NT2RP3004242//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN HOMOLOG)//4.70E-13//118aa//33%/P52734
- C-NT2RP3004258//Homo sapiens ZIS1 mRNA, complete cds//0//1861bp//99%/AF065391
- 55 C-NT2RP3004262//Homo sapiens heat shock protein hsp40-3 mRNA, complete cds//2.40E-248//1126bp//100%/AF088982
- C-NT2RP3004282//Homo sapiens torsinA (DYT1) mRNA, complete cds//5.10E-24//597bp//61%/AF007871
- C-NT2RP3004348//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein//1.10E-185//1130bp//82%/

- X67877
C-NT2RP3004378//Drosophila melanogaster separation anxiety protein (san) mRNA, complete cds.//3.90E-38//462bp//70%//AF225902
- 5 C-NT2RP3004424//Homo sapiens mRNA for stromal antigen 3 (STAG3 gene).//1.00E-66//364bp//93%//AJ007798
C-NT2RP3004428//CHROMODOMAIN HELICASE-DNA-BINDING PROTEIN 4 (CHD-4) (MI-2 AUTOANTIGEN 218 KD PROTEIN) (MI2-BETA).//5.20E-09//212aa//25%//Q14839
C-NT2RP3004472//GERM CELL-LESS PROTEIN.//1.60E-61//170aa//40%//Q01820
C-NT2RP3004480//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35.//3.30E-113//466aa//42%//P34110
- 10 C-NT2RP3004490//Homo sapiens mRNA for Musashi, complete cds.//4.00E-303//1385bp//99%//AB012851
C-NT2RP3004498//Mus musculus ROSA 26 transcription AS ROSA26AS mRNA, complete cds.//2.00E-249//1777bp//80%//U83176
C-NT2RP3004504//M.musculus mRNA for CPEB protein.//1.90E-295//893bp//92%//Y08260
C-NT2RP3004507//MOB1 PROTEIN (MPS1 BINDER 1).//3.70E-37//190aa//39%//P40484
- 15 C-NT2RP3004534//Mouse oncogene (ect2) mRNA, complete cds.//0//2075bp//87%//L11316
C-NT2RP3004544//THYROID RECEPTOR INTERACTING PROTEIN 10 (TRIP10) (FRAGMENT).//1.00E-22//1.3aa//53%//Q15642
C-NT2RP3004566//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.20E-95//434aa//43%//P51523
- 20 C-NT2RP3004569//ANKYRIN, BRAIN VARIANT 1 (ANKYRIN B) (ANKYRIN, NONERYTHROID).//3.80E-08//150aa//28%//Q01484
C-NT2RP3004572//Homo sapiens TATA binding protein associated factor (TAFII150) mRNA, complete cds.//0//1853bp//99%//AF040701
C-NT2RP3004578//MYOSIN HEAVY CHAIN, CLONE 203 (FRAGMENT).//5.50E-12//396aa//23%//P39922
- 25 C-NT2RP3004594//Homo sapiens mRNA for AND-1 protein.//0//1807bp//99%//AJ006266
C-NT2RP3004617//ZINC-BINDING PROTEIN A33.//7.20E-75//464aa//35%//Q02084
C-NT2RP3004618//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds.//0//3972bp//98%//AF093097
C-NT2RP3004669//ETHANOLAMINE KINASE (EC 2.7.1.82) (EASILY SHOCKED PROTEIN).//1.70E-72//254aa//45%//P54352
- 30 C-NT2RP3004670//Homo sapiens GN6ST mRNA for N-acetylglucosamine-6-O-sulfotransferase (GlcNAc6ST), complete cds.//0//2393bp//99%//AB014679
C-NT2RP4000008//CHLORINE CHANNEL PROTEIN P64.//2.60E-98//239aa//64%//P35526
C-NT2RP4000051//SYNAPTONEMLAL COMPLEX PROTEIN SC65.//4.90E-51//335aa//37%//Q64375
- 35 C-NT2RP4000078//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//2160bp//99%//AJ012449
C-NT2RP4000109//Homo sapiens mRNA for MEGF5, partial cds.//0//2161bp//99%//AB011538
C-NT2RP4000111//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT).//0//728aa//99%//Q10568
C-NT2RP4000129//Xenopus laevis F-box protein 28 (Fbx28) mRNA, partial cds.//1.40E-28//296bp//75%//AF176667
- 40 C-NT2RP4000147//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//4.30E-188//1543bp//78%//U35776
C-NT2RP4000210//PAIRED AMPHIPATHIC HELIX PROTEIN.//1.00E-71//396aa//36%//P22579
C-NT2RP4000212//ATRIAL GLAND-SPECIFIC ANTIGEN PRECURSOR (AGSA).//5.90E-15//104aa//40%//P15287
- 45 C-NT2RP4000243//Homo sapiens mRNA for cartilage-associated protein (CASP).//0//1932bp//99%//AJ006470
C-NT2RP4000246//NPC DERIVED PROLINE RICH PROTEIN 1 (NDPP-1).//2.70E-84//208aa//76%//Q03173
C-NT2RP4000259//GLUTATHIONE PEROXIDASE.2 (EC 1.11.1.9).//5.50E-29//153aa//43%//O23968
C-NT2RP4000290//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME 1.//3.50E-297//1024aa//55%//P87115
- 50 C-NT2RP4000312//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYL CYCLASE).//1.50E-26//237aa//28%//Q01631
C-NT2RP4000323//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN).//3.00E-07//101aa//32%//P26372
- 55 C-NT2RP4000367//Homo sapiens I kappa B kinase complex associated protein (IKAP) mRNA, complete cds.//0//4782bp//99%//AF044195
C-NT2RP4000370//MITOCHONDRIAL PEPTIDE CHAIN RELEASE FACTOR 1 PRECURSOR (MRF-1).//2.60E-77//262aa//54%//O75570

- C-NT2RP4000376//Homo sapiens mRNA for phospholipase A2 activating protein //0//2412bp//99%//AJ238243
 C-NT2RP4000398//ZINC FINGER PROTEIN 140 //2.90E-110//435aa//50%//P52738
 C-NT2RP4000415//Drosophila melanogaster fumble (fumble) mRNA, complete cds //6.20E-19//902bp//57%//AF221546
- 5 C-NT2RP4000417//MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (EC 3.2.1.113)(MAN(9)-ALPHA-MANNOSIDASE)(FRAGMENT) //2.60E-51//438aa//33%//P45701
 C-NT2RP4000449//Homo sapiens sirtuin type 1 (SIRT1) mRNA, complete cds //0//3143bp//99%//AF083106
 C-NT2RP4000455//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0 //3.00E-07//175aa//27%//P09309
 C-NT2RP4000457//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 15 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE 15) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 15)(DEUBIQUITINATING ENZYME 15) //2.50E-37//291aa//38%//P50101
- 10 C-NT2RP4000481//ATP-DEPENDENT RNA HELICASE DOB1 (MRNA TRANSPORT REGULATOR MTR4) //1.90E-67//721aa//29%//Q09475
 C-NT2RP4000498//MOB1 PROTEIN (MPS1 BINDER 1) //8.80E-50//214aa//50%//P40484
 C-NT2RP4000518//ATP-DEPENDENT RNA HELICASE ROK1 //1.50E-106//495aa//45%//P45818
 C-NT2RP4000524//Mus musculus Sec8 mRNA, complete cds //0//3131bp//87%//AF022962
 C-NT2RP4000528//NPL4 PROTEIN //9.80E-86//515aa//37%//P33755
 C-NT2RP4000556//SUR4 PROTEIN (SRE1 PROTEIN) //7.40E-14//233aa//31%//P40319
 C-NT2RP4000614//Homo sapiens TLS-associated protein TASR-2 mRNA, complete cds //2.90E-188//863bp//99%//AF067730
- 20 C-NT2RP4000648//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0 //3.70E-07//175aa//27%//P09309
 C-NT2RP4000657//SPORE COAT POLYSACCHARIDE BIOSYNTHESIS PROTEIN SPSE //1.10E-32//350aa//30%//P39625
 C-NT2RP4000713//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X //1.10E-13//295aa//27%//Q11073
- 25 C-NT2RP4000724//RETROVIRUS-RELATED ENV POLYPROTEIN //3.20E-191//199aa//78%//P10267
 C-NT2RP4000737//Mus musculus F-box protein FBL10 mRNA, partial cds //4.60E-250//1462bp//84%//AF176524
 C-NT2RP4000781//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION //0.000000032//67aa//31%//P53915
- 30 C-NT2RP4000817//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) //9.80E-11//503aa//23%//P08640
 C-NT2RP4000837//Homo sapiens mRNA for zinc finger protein SALL1 //4.30E-94//810bp//65%//Y18265
 C-NT2RP4000839//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 //8.50E-21//271aa//28%//Q00808
 C-NT2RP4000855//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE)(ARGININE AMINOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B) //5.70E-82//324aa//48%//O09175
- 35 C-NT2RP4000865//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT) //4.10E-85//174aa//55%//P16415
 C-NT2RP4000878//MYELOID UPREGULATED PROTEIN //6.20E-91//173aa//87%//O35682
 C-NT2RP4000879//UBIQUITIN-ACTIVATING ENZYME EI (A1S9 PROTEIN) //9.60E-96//513aa//42%//P22314
 C-NT2RP4000907//Mouse NLRR-1 mRNA for leucine-rich-repeat protein, complete cds //0//2127bp//86%//D45913
- 40 C-NT2RP4000925//FIBROMODULIN PRECURSOR (FM) (COLLAGEN-BINDING 59 KD PROTEIN) //2.60E-26//227aa//36%//Q06828
 C-NT2RP4000927//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING ENZYME 1) //1.50E-76//346aa//43%//Q61068
- 45 C-NT2RP4000928//Homo sapiens mRNA for CDS2 protein //0//2487bp//99%//Y16521
 C-NT2RP4000929//PUTATIVE ATP-DEPENDENT RNA HEUCASE MJ1505 //1.40E-07//185aa//25%//Q58900
 C-NT2RP4000973//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1) //1.40E-26//90aa//42%//P38660
- 50 C-NT2RP4000979//Homo sapiens putative HIV-1 infection related protein mRNA, partial cds //2.30E-81//389bp//100%//AF094583
 C-NT2RP4000989//UNC-47 PROTEIN //8.20E-06//173aa//25%//P34579
 C-NT2RP4000997//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135) //0//838aa//87%//P70700
- 55 C-NT2RP4001004//VACUOLAR PROTEIN 8 //3.70E-16//401aa//26%//P39968
 C-NT2RP4001010//Rattus norvegicus PSD-95/SAP90-associated protein-4 mRNA, complete cds //3.50E-257//1377bp//91%//U67140
 C-NT2RP4001029//Homo sapiens transcription factor LBP-1b (LBP-1) mRNA, complete cds //0//2002bp//98%//

AF198487
 C-NT2RP4001041//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE)//1.50E-92//443aa//44%/Q09996
 C-NT2RP4001064//SYNAPTONEMAL COMPLEX PROTEIN SC65//6.70E-51//335aa//37%/Q64375
 5 C-NT2RP4001079//CALCIUM-TRANSPORTING ATPASE 1 (EC 3.6.1.38) (GOLGI CA2⁺-ATPASE)//1.30E-123//563aa//46%/P13586
 C-NT2RP4001080//Homo sapiens mRNA for Rod1, complete cds//0//1439bp//99%/AB023967
 C-NT2RP4001086//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H)//2.30E-07//474aa//22%/P12036
 10 C-NT2RP4001095//DOUBLE-STRANDED RNA-SPECIFIC EDITASE 1 (EC 3.5.-.-) (DSRNA ADENOSINE DEAMINASE) (RNA EDITING ENZYME 1)//2.60E-17//121aa//36%/P51400
 C-NT2RP4001117//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT//1.90E-115//224aa//100%/P38378
 C-NT2RP4001122//mPD PROTEIN//1.40E-65//253aa//41%/O15736
 15 C-NT2RP4001126//TRICHOHYALIN//2.90E-18//380aa//26%/Q07283
 C-NT2RP4001143//SUCCINYL-DIAMINOPIMELATE DESUCCINYLAASE (EC 3.5.1.18) (SDAP)//2.10E-07//93aa//33%/P44514
 C-NT2RP4001148//SOF1 PROTEIN//1.30E-104//236aa//52%/P33750
 C-NT2RP4001149//Homo sapiens cleft lip and palate transmembrane protein 1 (CLPTM1) mRNA, complete cds//4.40E-187//731bp//100%/AF037339
 20 C-NT2RP4001150//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO)//3.40E-29//385aa//29%/P35331
 C-NT2RP4001174//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT)//4.70E-29//227aa//35%/P52178
 25 C-NT2RP4001206//Drosophila melanogaster strawberry notch (sno) mRNA, complete cds//4.40E-104//1460bp//65%/U95760
 C-NT2RP4001207//Homo sapiens Ran binding protein 11 mRNA, complete cds//0//2940bp//99%/AF111109
 C-NT2RP4001213//ZINC FINGER PROTEIN 184 (FRAGMENT)//5.70E-141//511aa//43%/Q99676
 C-NT2RP4001219//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1)//6.20E-27//90aa//42%/P38660
 30 C-NT2RP4001228//RING CANAL PROTEIN (KELCH PROTEIN)//1.80E-103//508aa//43%/Q04652
 C-NT2RP4001256//Homo sapiens mRNA for gamma tubulin ring complex protein (76p gene)//0//2006bp//100%/AJ249677
 C-NT2RP4001260//Homo sapiens F-box protein Fbx21 (FBX21) mRNA, complete cds//0//1866bp//100%/AF174601
 35 C-NT2RP4001274//Human transporter protein (g17) mRNA, complete cds//4.40E-58//1196bp//61%/U49082
 C-NT2RP4001276//TRICHOHYALIN//7.90E-09//126aa//32%/Q07283
 C-NT2RP4001313//MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM40 (MOM38 PROTEIN) (TRANSLOCASE OF OUTER MEMBRANE 40 KD SUBUNIT)//5.90E-17//296aa//29%/P24391
 40 C-NT2RP4001315//Bos taurus mRNA for Rab5 GDP/GTP exchange factor, Rabex5//8.50E-213//1129bp//92%/AJ001119
 C-NT2RP4001336//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN//0.000016//186aa//29%/O24076
 C-NT2RP4001339//Homo sapiens mRNA for AMMER1 protein//9.20E-160//736bp//99%/AJ007014
 45 C-NT2RP4001345//Homo sapiens mRNA for LCAT-like lysophospholipase (LLPL), complete cds//2.7E-310//1400bp//100%/AB017494
 C-NT2RP4001351//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds//1.40E-58//2425bp//59%/U53445
 C-NT2RP4001372//IRREGULAR CHIASM C-ROUGHEST PROTEIN PRECURSOR (IRREC PROTEIN)//1.60E-19//222aa//30%/Q08180
 50 C-NT2RP4001375//NON-RECEPTOR TYROSINE KINASE SPORE LYSIS A (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE 1)//9.20E-17//146aa//35%/P18160
 C-NT2RP4001379//HYPOTHETICAL 49.1 KD PROTEIN C11D3.06 IN CHROMOSOME 1//2.00E-53//436aa//30%/Q10085
 55 C-NT2RP4001389//KESIPROTEIN//1.70E-31//342aa//34%/P35844
 C-NT2RP4001407//TRICHOHYALIN//1.90E-05//298aa//21%/P22793
 C-NT2RP4001414//SEPTIN 2 HOMOLOG (FRAGMENT)//7.70E-190//422aa//82%/Q14141
 C-NT2RP4001433//ZINC FINGER PROTEIN 184 (FRAGMENT)//1.20E-138//419aa//54%/Q99676

EP 1 074 617 A2

- C-NT2RP4001474//Xenopus laevis putative Zic3 binding protein mRNA, complete cds//2.70E-66//738bp//71%//AF129131
- C-NT2RP4001483//2-OXOGLUTARATE DEHYDROGENASE EI COMPONENT PRECURSOR (EC 1.2.4.2) (ALPHA-KETOGLUTARATE DEHYDROGENASE)//0//962aa//78%//Q02218
- 5 C-NT2RP4001498//ANKYRIN REPEAT-CONTAINING PROTEIN AKR1//1.00E-27//374aa//29%//P39010
- C-NT2RP4001529//Homo sapiens transcription factor LBP-1b (LBP-1) mRNA, complete cds//0//2002bp//98%//AF198487
- C-NT2RP4001547//HYPOTHETICAL 45.0 KD PROTEIN IN NOT1/CDC39-HMR INTERGENIC REGION//5.70E-54//242aa//38%//P25656
- 10 C-NT2RP4001551//Homo sapiens chromatin-specific transcription elongation factor FACT 140 kDa subunit mRNA, complete cds//0//3202bp//99%//AF152961
- C-NT2RP4001555//PUTATIVE ENDONUCLEASE VIII (EC 3.2.-.-)//4.70E-09//216aa//24%//P96902
- C-NT2RP4001567//ARMADILLO SEGMENT POLARITY PROTEIN//5.40E-07//213aa//26%//Q02453
- C-NT2RP4001568//ZINC FINGER PROTEIN GCS1//1.80E-10//109aa//36%//P35197
- 15 C-NT2RP4001574//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)//0//874aa//96%//P53620
- C-NT2RP4001575//Rattus norvegicus mRNA for ARE1 protein//0//1087bp//87%//AJ223830
- C-NT2RP4001592//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS)//1.70E-141//373aa//47%//P73505
- 20 C-NT2RP4001634//CENTROMERIC PROTEIN E (CENP-E PROTEIN)//2.80E-14//652aa//22%//Q02224
- C-NT2RP4001638//DNA REPAIR/TRANSCRIPTION PROTEIN MET18/MMS19//5.10E-46//234aa//32%//P40469
- C-NT2RP4001644//MYOSIN UGHT CHAIN KINASE (EC 2.7.1.117) (MLCK)//6.40E-19//111aa//45%//P25323
- C-NT2RP4001656//VACUOLAR BIOGENESIS PROTEIN END1 (PEP5 PROTEIN)//1.10E-45//310aa//27%//P12868
- 25 C-NT2RP4001696//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT)//4.00E-10//243aa//25%//Q10568
- C-NT2RP4001725//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT//3.00E-10//128aa//32%//Q10282
- 30 C-NT2RP4001730//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT)//6.40E-170//1168aa//33%//Q09332
- C-NT2RP4001753//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)//3.90E-236//665aa//58%//P51523
- C-NT2RP4001760//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN)//4.10E-16//263aa//27%//P98174
- 35 C-NT2RP4001790//Homo sapiens zinc finger protein ZFP-95 (ZFP95) mRNA, alternatively spliced, complete cds//0//3053bp//99%//AF170025
- C-NT2RP4001822//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYCOPROTEIN SFA-1) (CD151 ANTIGEN)//1.20E-30//241aa//30%//O35566
- 40 C-NT2RP4001823//MICROFIBRIL-ASSOCIATED GLYCOPROTEIN 4//1.10E-19//77aa//54%//P55083
- C-NT2RP4001838//Homo sapiens CoREST protein (COREST) mRNA, complete cds//6.30E-99//555bp//73%//AF155595
- C-NT2RP4001849//SH3-BINDING PROTEIN 3BP-1//1.40E-85//489aa//43%//P55194
- C-NT2RP4001861//HTUCHOHYALIN//1.00E-35//307aa//34%//P37709
- 45 C-NT2RP4001896//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//1.40E-08//345aa//25%//Q00808
- C-NT2RP4001927//MICROTUBULE-ASSOCIATED PROTEIN YTM1//1.30E-38//258aa//32%//Q12024
- C-NT2RP4001938//TRANSCRIPTIONAL REPRESSOR CTCF//9.80E-60//303aa//38%//P49711
- C-NT2RP4001946//PROTEIN-L-ISOASPARTATE O-METHYLTRANSFERASE (EC 2.1.1.77) (PROTEIN- BETA-ASPARTATE METHYLTRANSFERASE) (PIMT) (PROTEIN L-ISOASPARTYL METHYLTRANSFERASE) (L-ISO-ASPARTYL PROTEIN CARBOXYL METHYLTRANSFERASE)//1.50E-13//211aa//28%//Q43209
- 50 C-NT2RP4001950//GLUTAMIC ACID-RICH PROTEIN PRECURSOR//1.20E-13//356aa//27%//P13816
- C-NT2RP4001966//Mus musculus ODZ3 (Odz3) mRNA, partial cds//0//3203bp//87%//AF195418
- C-NT2RP4001975//Homo sapiens golgi membrane protein GP73 mRNA, complete cds//0//3024bp//99%//AF236056
- 55 C-NT2RP4002018//RING CANAL PROTEIN (KELCH PROTEIN)//6.90E-24//370aa//27%//Q04652
- C-NT2RP4002047//GTP-BINDING PROTEIN LEPA//1.50E-168//601aa//52%//O67618
- C-NT2RP4002058//PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE (DEAH BOX PROTEIN 13)//1.00E-137//679aa//40%//O43143

- C-NT2RP4002078//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//3.00E-150//722aa//39%//Q05481
- C-NT2RP4002081//TRANSCRIPTION INITIATION FACTOR IIA ALPHA AND BETA CHAINS (TFIIA P35 AND PI 9 SUBUNITS) (TFIIA-42) (TFIIAL)//6.70E-06//250aa//31%//P52655
- 5 C-NT2RP4002408//PROTEIN KINASE CEK1 (EC 2.7.1.-)//1.50E-63//159aa//53%//P38938
- C-NT2RP4002791//NUCLEOPROTEIN TPR//6.50E-05//659aa//23%//P12270
- C-NT2RP5003461//RLR1 PROTEIN//9.70E-22//177aa//27%//P53552
- C-NT2RP5003477//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1//5.50E-15//280aa//27%//Q00808
- 10 C-NT2RP5003500//Mus musculus mRNA for heparan sulfate 6-sulfotransferase 2, complete cds//1.30E-237//820bp//87%//AB024565
- C-NT2RP5003506//Homo sapiens putative G protein-coupled receptor (RAIG1) mRNA, complete cds//0//2289bp//99%//AF095448
- C-NT2RP5003522//NADPH-CYTOCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR)//3.30E-23//219aa//40%//P37116
- 15 C-OVARC1000001//Homo sapiens mRNA for actin binding protein ABP620, complete cds//7.00E-217//683bp//99%//AB029290
- C-OVARC1000006//HISTONE H2A.1//1.10E-55//117aa//99%//P02262
- C-OVARC1000013//APOPTOTIC PROTEASE ACTIVATING FACTOR 1 (APAF-1)//4.20E-06//102aa//32%//O14727
- 20 C-OVARC1000014//Homo sapiens GLE1 (GLE1) mRNA, complete cds//2.60E-295//1393bp//97%//AF058922
- C-OVARC1000060//EXTRACELLULAR RIBONUCLEASE LE PRECURSOR (EC 3.1.27.1) (RNASE LE)//3.20E-07//60aa//45 %//P80022
- C-OVARC1000071//Homo sapiens NTF2-related export protein NXT1 (NXT1) mRNA, complete cds//1.50E-47//727bp//67%//AF156957
- 25 C-OVARC1000085//Human mRNA for proteasome subunit HC5//1.00E-151//699bp//100%//D00761
- C-OVARC1000087//HISTONE MACRO-H2A.1//1.60E-12//174aa//26%//Q02874
- C-OVARC1000091//HOST CELL FACTOR C1 (HCF) (VP16 ACCESSORY PROTEIN) (HFC1) (VCAF) (CFF)//8.40E-14//259aa//30%//P51610
- C-OVARC1000106//TROPOMYOSIN 1, FUSION PROTEIN 33//0.000032//165aa//27%//P49455
- 30 C-OVARC1000139//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUITOUS NUCLEAR PROTEIN HOMOLOG)//2.70E-12//120aa//32%//Q13107
- C-OVARC1000151//Homo sapiens partial mRNA for putative protein p38 interacting with transcription factor Spl//2.50E-95//461bp//98%//AJ242975
- 35 C-OVARC1000209//Oryza sativa submergence induced protein 2A mRNA, complete cds//1.80E-32//511bp//65%//AF068332
- C-OVARC1000241//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN) (MEMBER OF PAS PROTEIN 1) (MOP1) (HIF1 ALPHA)//8.20E-120//351aa//54%//Q16665
- C-OVARC1000288//VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE)(LEUCINE AMINOPEPTIDASE IV) (LAPIV) (AMINOPEPTIDASE III)(AMINOPEPTIDASE YSCI)//5.40E-53//384aa//30%//P14904
- 40 C-OVARC1000304//PROTEIN MOV-10//1.10E-249//519aa//87%//P23249
- C-OVARC1000309//THREONINE SYNTHASE (EC 4.2.99.2)//2.70E-40//154aa//38%//P29363
- C-OVARC1000326//Rattus norvegicus lamina-associated polypeptide 1C (LAP1C) mRNA, complete cds//9.20E-148//787bp//76%//U19614
- 45 C-OVARC1000335//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION//5.90E-14//200aa//27%//P40004
- C-OVARC1000437//TENSIN//7.90E-181//340aa//84%//Q04205
- C-OVARC1000465//PROTEIN TRANSPORT PROTEIN SEC7//1.20E-25//227aa//25%//P11075
- 50 C-OVARC1000473//DUAL SPECIFICITY PROTEIN PHOSPHATASE 3 (EC 3.1.3.48) (EC 3.1.3.16) (DUAL SPECIFICITY PROTEIN PHOSPHATASE VHR)//3.10E-10//125aa//35%//P51452
- C-OVARC1000479//Rattus norvegicus mRNA for TIP120, complete cds//0//1872bp//89%//D87671
- C-OVARC1000520//Homo sapiens supervillin mRNA, complete cds//2.20E-157//892bp//91%//AF051850
- C-OVARC1000556//RIBOSOMAL PROTEIN S6 KINASE II ALPHA 2 (EC 2.7.1.-) (S6KII-ALPHA 2) (P90-RSK 2) (RIBOSOMAL S6 KINASE 3) (RSK3) (PP90RSK3)//3.30E-67//132aa//95%//Q15349
- 55 C-OVARC1000564//Homo sapiens sorting nexin 5 (SNX5) mRNA, complete cds//1.0e-310//1440bp//98%//AF121855
- C-OVARC1000649//Human squamous cell carcinoma of esophagus mRNA for GRB-7 SH2 domain protein, com-

- plete cds.//0//1812bp//98%//D43772
 C-OVARC1000679//Homo sapiens myosin-IXa mRNA, complete cds.//0//808bp//99%//AF117888
 C-OVARC1000682//PROCESSING ALPHA-1,2-MANNOSIDASE (EC 3.2.1.-) (ALPHA-1,2-MANNOSIDASE 1B)//
 1.10E-209//293aa//95%//P39098
 5 C-OVARC1000722//Homo sapiens chromosome 1q21-1q23 beta-1,4-galactosyltransferase mRNA, complete
 cds.//0//759bp//98%//AF038661
 C-OVARC1000746//MATERNAL EFFECT PROTEIN STAUFEN//0.000000017//78aa//48%//P25159
 C-OVARC1000751//PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16) (PP2C)//5.60E-11//
 74aa//37%//P49596
 10 C-OVARC1000771//RAS-RELATED PROTEIN RAB-2//1.10E-46//121aa//79%//P08886
 C-OVARC1000800//MITOCHONDRIAL STRESS-70 PROTEIN PRECURSOR (75 KD GLUCOSE REGULATED
 PROTEIN) (GRP 75)//3.90E-46//78aa//98%//O35501
 C-OVARC1000834//Homo sapiens mRNA for atopy related autoantigen CALC.//2.80E-258//1183bp//99%//Y17711
 C-OVARC1000846//NUCLEOLIN (PROTEIN C23)//0.0000097//109aa//30%//P08199
 15 C-OVARC1000850//Homo sapiens PB39 mRNA, complete cds.//0//2095bp//99%//AF045584
 C-OVARC1000862//M.musculus mRNA for FT1.//5.90E-226//1498bp//81%//Z67963
 C-OVARC1000876//MOB1 PROTEIN (MPS1 BINDER 1)//2.20E-50//206aa//52%//P40484
 C-OVARC1000885//OXIDOREDUCTASE UCFA (EC 1.-.-.-)//1.30E-32//170aa//34%//P37440
 C-OVARC1000915//Homo sapiens histone deacetylase 5 mRNA, complete cds.//1.60E-121//591bp//97%//
 20 AF132608
 C-OVARC1000936//COAT PROTEIN GP37 (ENV PROTEIN GP37)//0.0000054//135aa//28%//P03398
 C-OVARC1000937//S-PHASE ENTRY CYCLIN 6//4.90E-10//61aabbp//49%//P32943
 C-OVARC1000945//Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds.//0//1961bp//
 82%//AB005549
 25 C-OVARC1000959//HYPOTHETICAL PROTEIN MJ0933//1.20E-17//127aa//33%//Q58343
 C-OVARC1000999//ANKYRIN HOMOLOG PRECURSOR//4.10E-11//189aa//32%//Q06527
 C-OVARC1001034//Mus musculus Fn54 mRNA, partial cds.//1.50E-178//1113bp//86%//AF001533
 C-OVARC1001038//Homo sapiens mRNA for Ariadne-2 protein.//0//1172bp//97%//AJ130978
 C-OVARC1001051//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN
 30 EPS15) (AF-1P PROTEIN)//1.10E-08//216aa//23%//P42566
 C-OVARC1001055//PRE-B CELL ENHANCING FACTOR PRECURSORS//1.90E-35//76aa//98%//P43490
 C-OVARC1001065//Homo sapiens CGI-12 protein mRNA, complete cds.//1.00E-215//1027bp//98%//AF132946
 C-OVARC1001068//Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds.//0//1819bp//99%//
 AF082657
 35 C-OVARC1001092//Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337,
 LLNLc110F1857Q7 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin))//2.00E-214//769bp//97%//AJ005897
 C-OVARC1001107//Homo sapiens protein methyltransferase (JBP1) mRNA, complete cds.//6.10E-276//594bp//
 98%//AF167572
 C-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds.//5.1e-310//1588bp//93%//
 40 AF051782
 C-OVARC1001154//Homo sapiens clone 24720 epithelin 1 and 2 mRNA, complete cds.//2.30E-296//1561bp//
 93%//AF055008
 C-OVARC1001171//Homo sapiens translation initiation factor 3 47 kDa subunit mRNA, complete cds.//5.70E-151//
 436bp//92%//U94855
 45 C-OVARC1001180//UBIQUITIN-LIKE PROTEIN DSK2//1.10E-11//221aa//25%//P48510
 C-OVARC1001200//Mus musculus mRNA for HS1 binding protein 3.//5.80E-88//658bp//80%//AJ132192
 C-OVARC1001232//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF
 100 KD SUBUNIT)//5.10E-22//83aa//37%//Q10568
 C-OVARC1001244//H.sapiens mRNA for Drosophila female sterile homeotic (FSH) homologue.//0//1467bp//99%//
 50 X62083
 C-OVARC1001271//NUCLEOLAR TRANSCRIPTION FACTOR 1 (UPSTREAM BINDING FACTOR 1) (UBF-1)//
 0.0000014//224aa//26%//P25976
 C-OVARC1001306//N-MYC PROTO-ONCOGENE PROTEIN//0.00000073//247aa//27%//P18444
 C-OVARC1001342//40S RIBOSOMAL PROTEIN S8.//1.40E-110//207aa//99%//P09058
 55 C-OVARC1001372//Homo sapiens liprin-alpha4 mRNA, partial cds.//2.00E-252//1146bp//99%//AF034801
 C-OVARC1001381//Homo sapiens mRNA for candidate tumor suppressor involved in B-CLL.//6.00E-148//683bp//
 99%//AJ224819
 C-OVARC1001417//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP170

mRNA, complete cds.//0//1715bp//99%//AF135802
 C-OVARC1001419//Homo sapiens GOK (STIM1) mRNA, complete cds.//4.90E-48//586bp//69%//U52426
 C-OVARC1001436//ENL PROTEIN.//0.00000009//81aa//39%//Q03111
 C-OVARC1001476//Mus musculus YGR163w mRNA homologue, complete cds.//1.80E-187//510bp//89%//
 5 AB017616
 C-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds.//0//1876bp//98%//
 AF016507
 C-OVARC1001506//POLYCYSTIN PRECURSOR (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE
 PROTEIN 1).//0//777aa//91%//P98161
 10 C-OVARC1001555//NGG1-INTERACTING FACTOR 3.//4.40E-19//130aa//40%//P53081
 C-OVARC1001577//Homo sapiens SRp46 splicing factor transcribed retropseudogene.//0//1167bp//100%//
 AF031165
 C-OVARC1001610//Homo sapiens choline/ethanolaminephosphotransferase (CEPT1) mRNA, complete cds.//0//
 1870bp//99%//AF068302
 15 C-OVARC1001703//Mus musculus ARL-6 interacting protein-2 (Aip-2) mRNA, complete cds.//3.50E-16//399bp//
 61%//AF133670
 C-OVARC1001711//CORNIFIN B (SMALL PROLINE-RICH PROTEIN 1B) (SPR1B) (SPR1 B).//2.80E-10//106aa//
 38%//Q62267
 C-OVARC1001713//ENDOZEPINE-RELATED PROTEIN PRECURSOR (MEMBRANE-ASSOCIATED DI-
 20 AZEPAM BINDING INHIBITOR) (MA-DBI).//4.40E-40//195aa//41%//P07106
 C-OVARC1001726//APICAL-LIKE PROTEIN (APXL PROTEIN).//4.30E-16//116aa//43%//Q13796
 C-OVARC1001731//TROPOMYOSIN ALPHA CHAIN, FIBROBLAST ISOFORM F2.//4.00E-122//282aa//85%//
 P08942
 C-OVARC1001762//N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA- AMI-
 25 NO, ACETYLTRANSFERASE 1).//6.40E-85//514aa//34%//P12945
 C-OVARC1001766//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds.//
 0//963bp//99%//U97670
 C-OVARC1001809//Mus musculus sphingosine kinase (SPHK1a) mRNA, partial cds.//2.70E-190//1624bp//76%//
 AF068748
 30 C-OVARC1001942//N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA- AMI-
 NO, ACETYLTRANSFERASE 1).//3.10E-81//497aa//35%//P12945
 C-OVARC1001943//Mus musculus DEBT-91 mRNA, complete cds.//0//2035bp//87%//AF143859
 C-OVARC1001987//Homo sapiens prolactin regulatory element-binding protein (PREB) mRNA, complete cds.//
 0//1083bp//99%//AF203687
 35 C-OVARC1002050//Homo sapiens mRNA for actin binding protein ABP620, complete cds.//0//1019bp//99%//
 AB029290
 C-OVARC1002112//HISTONE MACRO-H2A.1.//3.00E-174//371aa//90%//Q02874
 C-OVARC1002127//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER 2 (BRAIN DIGOXIN CARRI-
 40 ER PROTEIN) (BRAIN-SPECIFIC ORGANIC ANION TRANSPORTER) (OATP-B1).//5.40E-52//306aa//35%//
 Q35913
 C-OVARC100213 8//SAP1 PROTEIN.//7.60E-60//128aa//59%//P39955
 C-OVARC1002156//Danio rerio uridine kinase mRNA, complete cds.//6.00E-16//262bp//64%//AF195851
 C-OVARC1002165//3-OXO-5-ALPHA-STEROID 4-DEHYDROGENASE 2 (EC 1.3.99.5) (STEROID 5-ALPHA-
 REDUCTASE 2) (SR TYPE 2).//7.60E-08//114aa//37%//P31213
 45 C-OVARC1002182//BETA-TRCP (BETA-TRANSDUCIN REPEAT-CONTAINING PROTEIN) (BTRCP).//1.70E-
 09//207aa//30%//Q91854
 C-PLACE1000004//Homo sapiens IDN3-B mRNA, complete cds.//0//2365bp//99%//AB019602
 C-PLACE1000007//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE R10E11.3 (EC 3.1.2.15)
 (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-
 50 ZYME).//1.60E-81//212aa//70%//P34547
 C-PLACE1000040//TRANSFORMING PROTEIN P21/K-RAS 2B.//1.40E-17//185aa//32%//P08643
 C-PLACE1000061//Human ribosomal protein L37a mRNA sequence.//7.90E-54//190bp//94%//L22154
 C-PLACE1000066//SSU72 PROTEIN.//1.10E-39//206aa//43%//P53538
 C-PLACE1000081//Human SEC7 homolog Tic (TIC) mRNA, complete cds.//0//2077bp//99%//U63127
 55 C-PLACE1000133//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3).//
 1.80E-62//158aa//81%//P20290
 C-PLACE1000142//3-HYDROXYBUTYRYL-COA DEHYDRATASE (EC 4.2.1.55) (CROTONASE).//2.80E-29//
 134aa//43%//P52046

- C-PLACE1000184//Homo sapiens estrogen-related receptor gamma mRNA, complete cds.//1.30E-305//1417bp//98%//AF058291
- C-PLACE1000185//Homo sapiens mRNA for N-Acetylglucosamine kinase //4.90E-258//1183bp//99%//AJ242910
- 5 C-PLACE1000213//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) //4.50E-05//197aa//26%//P08640
- C-PLACE1000383//Homo sapiens mRNA for MTMR1 protein //0//753bp//99%//AJ224979
- C-PLACE1000401//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN) //2.70E-30//352aa//31%//P15151
- C-PLACE1000406//PTB-ASSOCIATED SPLICING FACTOR (PSF) //1.20E-132//334aa//72%//P23246
- 10 C-PLACE1000420//7,8-DIHYDRO-8-OXOGUANINE TRIPHOSPHATASE (EC 3.1.6.-) (8-OXO-DGTPASE) //2.80E-06//134aa//29%//P53368
- C-PLACE1000492//Rat vacuolar protein sorting homolog r-vps33b mRNA, complete cds.//0//2041bp//87%//U35245
- C-PLACE1000547//Homo sapiens GDP-mannose pyrophosphorylase B (GMPPB) mRNA, complete cds.//3.70E-241//1124bp//98%//AF135421
- 15 C-PLACE1000583//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1) //1.60E-47//207aa//46%//P51522
- C-PLACE1000588//INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (GUANINE NUCLEOTIDE-BINDING PROTEIN 1) //1.60E-270//437aa//86%//P32455
- 20 C-PLACE1000596//Homo sapiens mRNA for NS1-binding protein (NS1-BP) //0//1540bp//99%//AJ012449
- C-PLACE1000610//MSN5 PROTEIN //0.0000026//136aa//26%//P52918
- C-PLACE1000611//Rattus norvegicus neural membrane protein 35 mRNA, complete cds.//2.00E-55//779bp//67%//AF044201
- C-PLACE1000636//MALE STERILITY PROTEIN 2 //1.20E-39//261aa//27%//Q08891
- 25 C-PLACE1000653//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//0//1992bp//99%//AF180371
- C-PLACE1000656//Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and LLNLC110F1857Q7 (RZPD Berlin)) //2.10E-277//1260bp//99%//AJ005896
- C-PLACE1000706//Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds.//0//1366bp//99%//AF119043
- 30 C-PLACE1000755//Homo sapiens mRNA for Helicase-MOI, complete cds.//4.60E-250//1189bp//97%//AB028449
- C-PLACE1000769//Homo sapiens CGI-18 protein mRNA, complete cds.//0//1985bp//98%//AF132952
- C-PLACE1000786//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-CIOGENITAL DYSPLASIA PROTEIN HOMOLOG) //7.10E-09//59aa//47%//P52734
- 35 C-PLACE1000793//NEUROGENIC PROTEIN BIG BRAIN //1.70E-07//251aa//24%//P23645
- C-PLACE1000863//PUTATIVE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN YHR148W //2.50E-49//181aa//54%//P32899
- C-PLACE1000909//ANKYRIN REPEAT-CONTAINING PROTEIN AKR1 //2.60E-19//404aa//26%//P39010
- C-PLACE1000977//BETA-CHIMAERIN (BETA-CHIMERIN) //4.40E-22//129aa//35%//Q03070
- 40 C-PLACE1000979//ZINC FINGER PROTEIN 135 //2.50E-153//326aa//64%//P52742
- C-PLACE1000987//Rattus norvegicus late gestation lung 2 protein (Lgl2) mRNA, complete cds.//5.90E-278//1476bp//92%//AF110195
- C-PLACE1001036//Homo sapiens mRNA for alpha integrin binding protein 63, partial.//0//1988bp//99%//AJ131721
- C-PLACE1001054//Homo sapiens mRNA for RuvB-like DNA helicase TIP49b, complete cds.//4.00E-300//1355bp//100%//AB024301
- 45 C-PLACE1001062//Homo sapiens mRNA for lysine-ketoglutarate reductase/saccharopine dehydrogenase, partial CDS.//1.60E-207//742bp//99%//AJ007714
- C-PLACE1001092//Homo sapiens sorting nexin 4 mRNA, complete cds.//0//1500bp//99%//AF065485
- C-PLACE1001104//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II) //6.80E-18//529aa//23%//Q99323
- 50 C-PLACE1001118//ZINC FINGER PROTEIN 135 //5.40E-147//443aa//57%//P52742
- C-PLACE1001171//MYOTUBULARIN //7.10E-84//198aa//73%//Q13496
- C-PLACE1001238//Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds.//2.00E-202//1333bp//80%//D14336
- 55 C-PLACE1001257//RING CANAL PROTEIN (KELCH PROTEIN) //4.30E-54//257aa//46%//Q04652
- C-PLACE1001294//Mus musculus XY body protein (Xybp) mRNA, complete cds.//6.20E-223//1092bp//78%//AF120207
- C-PLACE1001304//Homo sapiens C2H2 (Kruppel-type) zinc finger protein mRNA, complete cds.//0//2145bp//

- 99%/AF159567
C-PLACE1001377//Homo sapiens ADAM10 (ADAM10) mRNA, complete cds.//5.90E-228//827bp//99%/AF009615
- 5 C-PLACE1001383//ZINC-FINGER PROTEIN UBI-D4 (APOPTOSIS RESPONSE ZINC FINGER PROTEIN REQ-UIEM).//3.00E-33//138aa//42%/Q61103
C-PLACE1001387//EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8.//2.30E-61//132aa//46%/Q12929
C-PLACE1001517//Homo sapiens gene for glycosylphosphatidylinositol anchor attachment 1 (GPA1), complete cds.//4.60E-112//392bp//87%/AB002137
- 10 C-PLACE1001602//CCR4-ASSOCIATED FACTOR 1 (CAF1).//5.70E-130//244aa//99%/Q60809
C-PLACE1001632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.40E-118//429aa//48%/P51523
C-PLACE1001672//PROBABLE AMINOTRANSFERASE T01B11.2 (EC 2.6.1.-).//4.30E-66//174aa//45%/P91408
C-PLACE1001692//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14) (THIOESTERASE II).//4.00E-81//263aa//56%/P08635
- 15 C-PLACE1001739//PUTATIVE ATP-DEPENDENT RNA HEUCASE PL10.//3.50E-75//439aa//41%/P16381
C-PLACE1001748//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//2602bp//99%/AF061243
C-PLACE1001771//Homo sapiens mRNA for transient receptor potential protein TRP6.//0//2900bp//99%/AJ006276
- 20 C-PLACE1001781//PROBABLE PHOSPHOMANNOMUTASE (EC 5.4.2.8) (PMM).//5.40E-63//427aa//35%/Q57290
C-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds.//0//1995bp//99%/AF058953
C-PLACE1001845//Mus musculus cyclin ania-6a mRNA, complete cds.//3.30E-31//925bp//62%/AF159159
- 25 C-PLACE1001869//L-RIBULOKINASE (EC 2.7.1.16).//2.00E-27//270aa//31%/P94524
C-PLACE1001920//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds.//0//1729bp//99%/AF099935
C-PLACE1001983//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION.//7.50E-16//319aa//26%/P37908
C-PLACE1001989//PUTATIVE AMIDASE (EC 3.5.1.4).//1.40E-78//496aa//37%/Q49091
- 30 C-PLACE1002046//UGATIN (FRAGMENT).//1.70E-240//560aa//80%/Q61211
C-PLACE1002073//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE).//5.30E-07//188aa//29%/P49606
C-PLACE1002090//SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (SRP72).//6.50E-58//112aa//100%/O76094
- 35 C-PLACE1002140//Rattus norvegicus apelin mRNA, complete cds.//1.40E-43//425bp//74%/AF179679
C-PLACE1002171//TRANSCRIPTION REGULATORY PROTEIN SWI3 (SWI/SNF COMPLEX COMPONENT SWI3) (TRANSCRIPTION FACTOR TYE2).//0.00005//179aa//23%/P32591
C-PLACE1002395//Mus musculus mRNA for UBE-1c1, UBE-1c2, UBE-1c3, complete cds.//7.90E-100//966bp//75%/AB030505
- 40 C-PLACE1002433//CHROMOSOME ASSEMBLY PROTEIN XCAP-E.//5.10E-05//278aa//24%/P50533
C-PLACE1002437//ATP-BINDING CASSETTE TRANSPORTER 1.//4.50E-76//180aa//83%/P41233
C-PLACE1002438//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN).//4.20E-06//133aa//29%/Q13105
C-PLACE1002450//Human zinc finger protein mRNA, complete cds.//0//2565bp//99%/U69274
C-PLACE1002474//Mus musculus matrilin-2 precursor mRNA, complete cds.//0//2092bp//84%/U69262
- 45 C-PLACE1002493//Homo sapiens signal transducing adaptor molecule 2A (STAM2) mRNA, complete cds.//1.70E-113//545bp//98%/AF042273
C-PLACE1002500//Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds.//2.90E-58//465bp//80%/U50927
C-PLACE1002532//HOMEBOX PROTEIN DLX-5.//1.20E-152//289aa//96%/P70396
- 50 C-PLACE1002571//ACTIN-LIKE PROTEIN 13E.//5.00E-99//386aa//48%/P45890
C-PLACE1002583//GLUTAMATE RECEPTOR, IONOTROPIC KAINATE 2 PRECURSOR (GLUTAMATE RECEPTOR 6) (GLUR-6) (GLUTAMATE RECEPTOR BETA-2) (GLUR BETA-2) (FRAGMENT).//5.60E-34//76aa//98%/P39087
C-PLACE1002591//CORONIN-UKE PROTEIN P57.//4.40E-70//208aa//66%/P31146
- 55 C-PLACE1002598//OLIGORIBONUCLEASE (EC 3.1.-.-).//5.50E-17//76aa//56%/P45340
C-PLACE1002655//ADSEVERIN (SCINDERIN) (SC).//2.50E-278//543aa//92%/Q28046
C-PLACE1002665//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//0//2462bp//89%/AF079765

- C-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds //0//1750bp//99%//AF068180
- C-PLACE1002714//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II) //9.40E-13//500aa//21%//Q99323
- 5 C-PLACE1002722//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001 //9.00E-45//305aa//33%//Q15391
- C-PLACE1002775//PEREGRIN (BR140 PROTEIN) //3.80E-13//272aa//28%//P55201
- C-PLACE1002782//Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds //3.80E-43//385bp//77%//U50927
- 10 C-PLACE1002816//HISTONE DEACETYLASE HDA1 //2.20E-48//217aa//46%//P53973
- C-PLACE1002834//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1) //5.50E-203//396aa//86%//P51522
- C-PLACE1002908//Homo sapiens XGalT-1 mRNA for galactosyltransferase I, complete cds //0//1654bp//99%//AB028600
- 15 C-PLACE1002991//PUTATIVE AMIDASE (EC 3.5.1.4) //1.40E-78//496aa//37%//Q49091
- C-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete cds //8.50E-44//225bp//100%//AF032387
- C-PLACE1003045//POLYCYSTIN 2 (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE TYPE II PROTEIN) (POLYCYSTWIN) (R48321) //1.70E-05//150aa//24%//Q13563
- 20 C-PLACE1003100//HEP27 PROTEIN (PROTEIN D) //2.60E-79//253aa//60%//Q13268
- C-PLACE1003174//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42) //3.80E-37//143aa//51%//P42743
- C-PLACE1003176//Homo sapiens clone pHN1868 tyrosyl-DNA phosphodiesterase protein (TDP1) mRNA, partial cds //1.70E-148//687bp//99%//AF182003
- 25 C-PLACE1003190//SOF1 PROTEIN //1.90E-110//325aa//48%//P33750
- C-PLACE1003238//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001 //4.90E-76//309aa//47%//Q15391
- C-PLACE1003258//EARLY EMBRYOGENESIS ZYG-11 PROTEIN //7.90E-22//70aa//47%//P21541
- 30 C-PLACE1003302//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1) //6.90E-206//396aa//86%//P51522
- C-PLACE10033537//Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete cds //0//2435bp//99%//U92715
- C-PLACE1003366//Homo sapiens otoferlin (OTOF) mRNA, complete cds //1.40E-78//542bp//67%//AF107403
- C-PLACE1003394//Homo sapiens RAB14 protein (RAB14) mRNA, complete cds //2.60E-139//648bp//99%//AF152463
- 35 C-PLACE1003420//PUTATIVE MITOCHONDRIAL CARRIER YIL006W //1.30E-40//278aa//36%//P40556
- C-PLACE1003493//ENDOTHELIAL CELL MULTIMERIN PRECURSOR //1.70E-23//322aa//26%//Q13201
- C-PLACE1003519//H.sapiens hnRNP-E2 mRNA //5.10E-218//905bp//99%//X78136
- C-PLACE1003521//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III //0.0000011//101aa//32%//Q09475
- 40 C-PLACE1003537//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENDOMEMBRANE PROTEIN) (PHE- ROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPO- NENT) //7.70E-68//404aa//33%//P32802
- C-PLACE1003596//OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG //2.60E-93//270aa//66%//P46975
- 45 C-PLACE1003602//Homo sapiens mRNA expressed in placenta //5.90E-278//1275bp//99%//D83200
- C-PLACE1003605//HAP5 TRANSCRIPTIONAL ACTIVATOR //0.00000023//82aa//35%//Q02516
- C-PLACE1003611//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds //6.20E-169//683bp//99%//AF191338
- 50 C-PLACE1003625//ARMADILLO SEGMENT POLARITY PROTEIN //3.20E-10//380aa//25%//P18824
- C-PLACE1003669//TRICHOHYALIN //5.60E-09//219aa//30%//P22793
- C-PLACE1003704//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75) //8.00E-19//209aa//34%//Q08170
- C-PLACE1003709//Homo sapiens mitotic checkpoint kinase Bub1 (BUB1) mRNA complete cds //6.20E-282//1316bp//98%//AF053305
- 55 C-PLACE1003738//ZINC FINGER PROTEIN 135 //9.60E-118//350aa//46%//P52742
- C-PLACE1003760//Homo sapiens tetraspanin TM4-A mRNA, complete cds //5.20E-289//1313bp//97%//AF133423

- C-PLACE1003885//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE)//3.70E-222//651aa//66%//P25500
- C-PLACE1003888//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT)//6.70E-113//501aa//46%//P10895
- 5 C-PLACE1003903//CTP SYNTHASE (EC 6.3.4.2) (UTP--AMMONIA LIGASE) (CTP SYNTHETASE)//1.40E-243//584aa//74%//P17812
- C-PLACE1003915//PROBABLE ARGINYLYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.19) (ARGININE-TRNA UGASE) (ARGRS)//2.40E-108//581aa//40%//Q05506
- 10 C-PLACE1003923//Homo sapiens p53 regulated PA26-T2 nuclear protein (PA26) mRNA, complete cds//0//1670bp//99%//AF033120
- C-PLACE1003968//5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT (AMPK GAMMA-1 CHAIN)//2.40E-124//326aa//73%//P80385
- C-PLACE1004104//Rattus norvegicus rsec5 mRNA, complete cds//0//2384bp//86%//AF032666
- 15 C-PLACE1004128//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT 4 (TRANSDUCIN BETA CHAIN 4)//6.10E-181//340aa//96%//P29387
- C-PLACE1004149//Rattus norvegicus GERp95 mRNA, complete cds//3.30E-41//452bp//65%//AF195534
- C-PLACE1004183//Homo sapiens for TOM1-like protein//0//1279bp//97%//AJ010071
- C-PLACE1004197//BUTYROPHILIN PRECURSOR (BT)//4.50E-10//208aa//27%//Q62556
- 20 C-PLACE1004203//Homo sapiens GPI-anchored membrane protein CDw108 precursor, mRNA, complete cds//0//1882bp//99%//AF069493
- C-PLACE1004256//Mus musculus short coiled coil protein SCOCO (Scoc) mRNA, complete cds//2.00E-93//960bp//76%//AF115778
- C-PLACE1004258//Homo sapiens vanilloid receptor-like protein 1 (VRL-1) mRNA//0//1144bp//98%//AF129112
- 25 C-PLACE1004270//TRANSMEMBRANE PROTEASE, SERINE 2 (EC 3.4.21.-)//9.70E-36//389aa//31%//O15393
- C-PLACE1004277//Homo sapiens two pore domain K⁺ channel (TASK-2) mRNA, complete cds//0//1498bp//99%//AF084830
- C-PLACE1004302//SOF1 PROTEIN//1.90E-110//325aa//48%//P33750
- C-PLACE1004316//H.sapiens mRNA for apoptosis specific protein//0//1767bp//99%//Y11588
- 30 C-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds//0//2512bp//99%//AF100153
- C-PLACE1004428//PRISTANOYL-COA OXIDASE (EC 1.3.3.-)//1.20E-39//385aa//33%//Q63448
- C-PLACE1004437//Human NAD⁺-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene encoding mitochondrial protein, complete cds//0//985bp//99%//U49283
- 35 C-PLACE1004460//MATERNAL TUDOR PROTEIN//0.0000002//218aa//23%//P25823
- C-PLACE1004471//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)//7.90E-56//276aa//41%//P51522
- C-PLACE1004506//Homo sapiens carboxyl terminal LIM domain protein (CLIM1) mRNA, complete cds//2.10E-16//402bp//62%//U90878
- 40 C-PLACE1004510//Homo sapiens TATA binding protein associated factor (TAFII150) mRNA, complete cds//3.40E-227//1037bp//99%//AF040701
- C-PLACE1004550//Homo sapiens CGI-20 protein mRNA, complete cds//3.50E-274//1305bp//97%//AF132954
- C-PLACE1004564//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT)//0//525aa//99%//Q10568
- 45 C-PLACE1004629//PROTEIN OS-9 PRECURSOR//7.70E-18//264aa//32%//Q13438
- C-PLACE1004646//B.taurus mRNA for retinal pigment epithelial membrane receptor p63//4.40E-42//985bp//59%//X66277
- C-PLACE1004674//Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds//1.30E-195//982bp//96%//AF035606
- 50 C-PLACE1004743//PROBABLE N-END-RECOGNIZING PROTEIN (UBIQUITIN-PROTEIN LIGASE E3 COMPONENT) (N- RECOGNIN)//4.40E-35//578aa//27%//O60152
- C-PLACE1004751//Homo sapiens mRNA for alpha2,3-sialyltransferase ST3Gal VI, complete cds//7.10E-224//790bp//98%//AB022918
- C-PLACE1004777//N-CHIMAERIN (NC) (N-CHIMERIN) (ALPHA CHIMERIN) (A-CHIMAERIN)//1.90E-32//259aa//32%//P30337
- 55 C-PLACE1004793//RETROVIRUS-RELATED ENV POLYPROTEIN//5.20E-47//577aa//25%//P10267
- C-PLACE1004804//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE)//4.70E-65//695aa//29%//Q01631

C-PLACE1004814//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75)//5.90E-19//196aa//36%//Q08170
 C-PLACE1004868//MALE STERILITY PROTEIN 27//3.90E-39//261aa//27%//Q08891
 C-PLACE1004902//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C//9.30E-11//94aa//47%//Q42643
 5 C-PLACE1004918//L-LACTATE DEHYDROGENASE M CHAIN (EC 1.1.1.27) (LDH-A)//4.90E-48//198aa//44%//P06151
 C-PLACE1004930//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds//0//1853bp//98%//AF099936
 C-PLACE1004937//SEL-10 PROTEIN//6.30E-125//357aa//58%//Q93794
 10 C-PLACE1004969//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X//2.00E-14//205aa//26%//Q11073
 C-PLACE1005052//Homo sapiens CGI-16 protein mRNA, complete cds//6.6e-313//1413bp//99%//AF132950
 C-PLACE1005102//RING CANAL PROTEIN (KELCH PROTEIN)//2.60E-56//565aa//30%//Q04652
 C-PLACE1005176//Homo sapiens hypothalamus protein HT001 mRNA, complete cds//3.90E-212//1040bp//96%//AF113539
 15 C-PLACE1005187//APAG PROTEIN//3.80E-13//122aa//36%//P05636
 C-PLACE1005243//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-)//1.30E-27//349aa//32%//Q01577
 C-PLACE1005287//INNER CENTROMERE PROTEIN (INCENP)//2.30E-13//269aa//28%//P53352
 20 C-PLACE1005305//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3)//2.00E-111//226aa//92%//P08760
 C-PLACE1005331//Homo sapiens 7h3 protein mRNA, partial cds//1.20E-226//748bp//95%//AF209931
 C-PLACE1005373//TRNA PSEUDOURIDINE SYNTHASE B (EC 4.2.1.70) (TRNA PSEUDOURIDINE 55 SYNTHASE) (PSI55 SYNTHASE) (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE)//8.60E-09//194aa//27%//Q33335
 25 C-PLACE1005467//PENICILLIN-BINDING PROTEIN 4* (PBP 4*) (PBP 4A)//1.10E-09//93aa//31%//P32959
 C-PLACE1005494//Homo sapiens mRNA for transient receptor potential protein TRP6//0//1649bp//99%//AJ006276
 C-PLACE1005530//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III//5.60E-52//173aa//57%//Q09251
 30 C-PLACE1005549//Homo sapiens mRNA for Rho guanine nucleotide-exchange factor, splice variant NET1A//7.60E-97//1287bp//67%//AJ010046
 C-PLACE1005557//60S RIBOSOMAL PROTEIN L27//1.90E-11//60aa//48%//P46288
 C-PLACE1005584//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICPQ (P135 PROTEIN) (IER 2.9/ER2.6)//6.80E-09//267aa//30%//P29128
 35 C-PLACE1005611//Mus musculus mRNA for mDj10, complete cds//2.00E-33//379bp//66%//AB028860
 C-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds//0//2130bp//99%//AF083255
 C-PLACE1005656//RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE M2 CHAIN (EC 1.17.4.1) (RIBONUCLEOTIDE REDUCTASE)//2.10E-148//321aa//83%//P31350
 40 C-PLACE1005727//Homo sapiens STRIN protein (STRIN) mRNA, complete cds//2.00E-118//378bp//98%//AF162680
 C-PLACE1005739//INTERFERON-GAMMA INDUCIBLE PROTEIN MG11//1.30E-237//585aa//72%//Q60710
 C-PLACE1005763//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14) (THIOESTERASE II)//2.50E-79//209aa//53%//P08635
 45 C-PLACE1005803//Homo sapiens mRNA for transcription factor (SMIF gene)//0//1985bp//99%//AJ275986
 C-PLACE1005804//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds//1.10E-217//994bp//99%//AF027156
 C-PLACE1005813//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds//0//2040bp//99%//AF065482
 50 C-PLACE1005876//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT)//0//730aa//99%//Q10568
 C-PLACE1005890//BEM46 PROTEIN (FRAGMENT)//9.90E-42//224aa//43%//P54069
 C-PLACE1005921//AIG1 PROTEIN//3.00E-31//284aa//31%//P54120
 C-PLACE1005951//Homo sapiens prolactin regulatory element-binding protein (PREB) mRNA, complete cds//1.10E-264//661bp//99%//AF203687
 55 C-PLACE1005953//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-)//6.70E-30//198aa//37%//P43636
 C-PLACE1005955//VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE)//5.40E-54//455aa//32%//P14904

C-PLACE1005966//TRANSCRIPTION INITIATION FACTOR TFIID 90 KD SUBUNIT (TAFII-90)7/1.40E-07//
 254aa//25%/P38129
 C-PLACE1006003//Homo sapiens CGI-94 protein mRNA, complete cds.//2.40E-177//829bp//99%/AF151852
 C-PLACE1006011//Homo sapiens mRNA for poly(ADP-ribose) polymerase-2.//0//1564bp//99%/AJ236876
 5 C-PLACE1006040//Homo sapiens mRNA for alpha endosulfine.//4.70E-161//744bp//99%/X99906
 C-PLACE1006119//Homo sapiens Ran-GTP binding protein mRNA, partial cds.//1.50E-148//681bp//99%/AF039023
 C-PLACE1006157//E-SELECTIN PRECURSOR (ENDOTHELIAL LEUKOCYTE ADHESION MOLECULE 1) (ELAM-1) (LEUKOCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 2) (LECAM2) (CD62E).//2.00E-28//
 10 236aa//30%/P98110
 C-PLACE1006167//PAF1 PROTEIN.//7.30E-15//437aa//24%/P38351
 C-PLACE1006170//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT).//1.70E-169//373aa//88%/P17427
 15 C-PLACE1006196//PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06.//2.70E-116//496aa//48%/Q09747
 C-PLACE1006239//BONE PROTEOGLYCAN II PRECURSOR (PG-S2) (DECORIN).//2.00E-16//244aa//31%/P28675
 C-PLACE1006288//VOLTAGE-DEPENDENT ANION-SELECTIVE CHANNEL PROTEIN 1 (VDAC1) (PLASMA-LEMMAL PORIN) (OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN) (PORIN 31HL) (PORIN 31HM).//
 20 4.60E-117//147aa//80%/P21796
 C-PLACE1006318//Mus musculus skm-BOP2 (Bop) mRNA, complete cds.//3.00E-07//376bp//59%/U76374
 C-PLACE1006335//Homo sapiens NY-REN-50 antigen mRNA, partial cds.//0//1649bp//99%/AF155112
 C-PLACE1006368//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR).//
 25 1.30E-18//460aa//24%/Q00547
 C-PLACE1006385//Homo sapiens epsin 2a mRNA, complete cds.//0//1168bp//99%/AF062085
 C-PLACE1006438//ZINC FINGER PROTEIN 165.//2.50E-45//122aa//43%/P49910
 C-PLACE1006469//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.20E-83//313aa//49%/P27550
 C-PLACE1006482//TRANSCRIPTION FACTOR MAFF.//7.70E-55//142aa//85%/Q90595
 30 C-PLACE1006488//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//1.10E-229//367aa//96%/Q00004
 C-PLACE1006492//Homo sapiens transmembrane protein 2 (TMEM2) mRNA, complete cds.//0//2618bp//99%/AF137030
 C-PLACE1006506//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds.//0//
 35 2170bp//99%/AF191338
 C-PLACE1006531//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds.//0//1967bp//99%/AF093097
 C-PLACE1006534//POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41)(PROTEIN-UDP ACETYL GALACTOSAMINYLTRANSFERASE)(UDP-GALNAC:POLYPEPTIDE, N-ACETYL GALACTOSAM-
 40 INYLTRANSFERASE) (GALNAC-T1).//8.30E-08//100aa//41%/Q10472
 C-PLACE1006552//MYOSIN HEAVY CHAIN, CLONE 203 (FRAGMENT).//1.20E-09//426aa//21%/P39922
 C-PLACE1006615//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds.//
 0//1464bp//99%/U97670
 C-PLACE1006626//Homo sapiens mRNA for Helicase-MOI, complete cds.//0//1760bp//99%/AB028449
 45 C-PLACE1006678//Homo sapiens mRNA for type II membrane protein, complete cds, clone:HP10328.//5.80E-24//734bp//62%/AB015630
 C-PLACE1006731//RIBOFLAVIN KINASE (EC 2.7.1.26) (FLAVOKINASE) / FMN ADENYLYLTRANSFERASE (EC 2.7.7.2) (FAD PYROPHOSPHORYLASE) (FAD SYNTHETASE).//6.90E-13//177aa//33%/Q59263
 C-PLACE1006754//BILIARY GLYCOPROTEIN 1 PRECURSOR (BGP-1) (ANTIGEN CD66) (CD66A ANTIGEN).//
 50 6.20E-63//191aa//43%/P13688
 C-PLACE1006819//UNE-1 REVERSE TRANSCRIPTASE HOMOLOG.//9.80E-213//232aa//80%/P08547
 C-PLACE1006829//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-
 RASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUI-
 TOUS NUCLEAR PROTEIN).//2.00E-15//188aa//29%/P35123
 55 C-PLACE1006878//TRNA-SPLICING ENDONUCLEASE SUBUNIT SEN2 (EC 3.1.27.9) (TRNA-INTRON ENDO-
 NUCLEASE).//1.90E-08//122aa//36%/P16658
 C-PLACE1006917//HSH49 PROTEIN.//5.50E-12//97aa//35%/Q99181
 C-PLACE1006935//HYPOTHETICAL 95.2 KD PROTEIN R144.6 IN CHROMOSOME III.//6.70E-48//278aa//41%/

- Q10000
 C-PLACE1006956//ATP-DEPENDENT PERMEASE MDL1 //1.30E-86//522aa//36%//P97998
 C-PLACE1006958//Homo sapiens mRNA for heat shock protein apg-1, complete cds.//0//1770bp//99%//
 AB023421
- 5 C-PLACE1007014//36 KD NUCLEOLAR PROTEIN HNP36 (DELAYED-EARLY RESPONSE PROTEIN 12)
 (DER12).//3.20E-35//180aa//33%//Q14542
 C-PLACE1007105//Homo sapiens muskelin (MKN1) mRNA, complete cds.//0//2449bp//98%//AF047489
 C-PLACE1007140//TRICHOHYALIN //1.30E-25//816aa//22%//P37709
 C-PLACE1007226//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.-.-.)
 10 (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).//1.00E-42//370aa//31%//P54304
 C-PLACE1007239//Homo sapiens mRNA for transcription elongation factor S-II, hS-II-T1, complete cds.//6.50E-
 216//1068bp//96%//D50495
 C-PLACE1007243//UNC-47 PROTEIN.//1.70E-07//211aa//27%//P34579
 C-PLACE1007257//Homo sapiens mRNA for dia-12c protein.//0//2052bp//99%//Y15908
- 15 C-PLACE1007317//Drosophila melanogaster Adrift (adrift) mRNA, complete cds.//4.10E-17//1037bp//56%//
 AF117649
 C-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds.//0//2366bp//
 99%//AF096870
 C-PLACE1007375//PHORBOL ESTER/DIACYLGLYCEROL-BINDING PROTEIN UNC-13.//0.00000044//127aa//
 20 30%//P27715
 C-PLACE1007409//WHITTE PROTEIN.//1.10E-64//428aa//32%//Q17320
 C-PLACE1007416//DIPEPTIDYL PEPTIDASE IV (EC 3.4.14.5) (DPP IV) (T-CELL ACTIVATION ANTIGEN CD26)
 (TP103) (ADENOSINE DEAMINASE COMPLEXING PROTEIN-2) (ADABP).//8.80E-25//140aa//35%//P27487
 C-PLACE1007488//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-
 25 CIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//5.40E-53//426aa//33%//P52734
 C-PLACE1007511//KERATIN, TYPE I CYTOSKELETAL 19 (CYTOKERATIN 19) (K19) (CK 19).//1.40E-85//
 385aa//45%//P08728
 C-PLACE1007537//Homo sapiens ankyrin repeat-containing protein ASB-2 mRNA, complete cds.//8.9e-316//
 1485bp//98%//AF159164
- 30 C-PLACE1007547//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1.00E-49//361aa//
 36%//P34537
 C-PLACE1007598//ZINC FINGER PROTEIN 184 (FRAGMENT).//1.60E-143//666aa//44%//Q99676
 C-PLACE1007632//POLIOVIRUS RECEPTOR PRECURSOR.//1.00E-07//228aa//31%//P32506
 C-PLACE1007649//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSI-
 35 DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//4.50E-05//197aa//26%//P08640
 C-PLACE1007688//LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG).//
 8.70E-09//279aa//28%//Q26457
 C-PLACE1007697//GCN20 PROTEIN.//7.60E-119//717aa//38%//P43535
 C-PLACE1007705//Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds.//1.10E-184//1096bp//82%//
 40 AB033922
 C-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//3431bp//99%//AF061243
 C-PLACE1007729//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-).//1.50E-44//231aa//42%//P10265
 C-PLACE1007791//Homo sapiens IDN3-B mRNA, complete cds.//0//1836bp//99%//AB019602
 C-PLACE1007897//Homo sapiens FLASH mRNA, complete cds.//0//2145bp//99%//AF154415
- 45 C-PLACE1007946//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II).//2.60E-14//
 370aa//25%//Q99323
 C-PLACE1007954//HYPOTHETICAL 45.5 KD PROTEIN IN FIG1-GIP1 INTERGENIC REGION.//6.70E-13//
 168aa//31%//P38226
 C-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds.//0//2252bp//99%//
 50 AF084530
 C-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//0//2300bp//
 99%//AF079529
 C-PLACE1007969//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M).//1.10E-36//202aa//
 48%//P52272
- 55 C-PLACE1008000//CHANNEL ASSOCIATED PROTEIN OF SYNAPSE-110 (CHAPSIN-110) (SYNAPTIC DEN-
 SITY PROTEIN PSD-93).//6.10E-14//128aa//39%//Q63622
 C-PLACE1008044//NUCLEAR PORE COMPLEX PROTEIN NUP107 (NUCLEOPORIN NUP107) (107 KD NU-
 CLEOPORIN) (P105).//4.6e-318//613aa//94%//P52590

- C-PLACE1008080//Homo sapiens mRNA for HEXIM1 protein, complete cds.//0//2152bp//99%//AB021179
 C-PLACE1008111//PROBABLE OXIDOREDUCTASE (EC 1.-.-.-)//3.00E-25//208aa//37%//Q03326
 C-PLACE1008132//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//1.30E-24//395aa//31%//Q09531
- 5 C-PLACE1008177//TRICHOHYALIN.//2.30E-29//487aa//26%//P37709
 C-PLACE1008201//Rattus rattus zinc finger protein, complete cds.//0//2265bp//83%//L23077
 C-PLACE1008244//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//9.50E-21//148aa//38%//Q00808
 C-PLACE1008273//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//1.30E-283//671aa//77%//P53620
- 10 C-PLACE1008275//DNA REPAIR PROTEIN REV1 (EC 2.7.7.-)//2.30E-18//162aa//37%//P12689
 C-PLACE1008309//Rattus norvegicus putative four repeat ion channel mRNA, complete cds.//5.20E-137//672bp//77%//AF078779
 C-PLACE1008330//EOSINOPHIL LYOPHOSPHOLIPASE (EC 3.1.1.5) (CHARCOT-LEYDEN CRYSTAL PROTEIN) (LYSOLECITHIN ACYLHYDROLASE) (CLC) (GALACTIN-10).//2.20E-23//94aa//47%//Q05315
- 15 C-PLACE1008356//Homo sapiens meningioma-expressed antigen 5 (MEA5) mRNA, partial cds.//1.90E-170//780bp//100%//AF036144
 C-PLACE1008368//RING CANAL PROTEIN (KELCH PROTEIN).//5.30E-26//309aa//30%//Q04652
 C-PLACE1008398//GENE 33 POLYPEPTIDE.//7.30E-114//243aa//87%//P05432
 C-PLACE1008402//GENERAL VESICULAR TRANSPORT FACTOR P115 (TRAN-SCYTOSIS ASSOCIATED PROTEIN) (TAP).//0//698aa//95%//P41541
- 20 C-PLACE1008426//RESTIN (CYTOPLASMIC LINKER PROTEIN-170) (CLIP-170).//1.80E-11//365aa//25%//Q42184
 C-PLACE1008429//ANKYRIN HOMOLOG PRECURSOR.//3.10E-11//189aa//32%//Q06527
 C-PLACE1008465//Homo sapiens mRNA for rapa-1 (rapa gene).//6.60E-243//1102bp//99%//AJ272725
- 25 C-PLACE1008533//101 KD MALARIA ANTIGEN (P101) (ACIDIC BASIC REPEAT ANTIGEN).//1.10E-09//62aa//48%//P22620
 C-PLACE1008603//NUCLEAR PORE COMPLEX PROTEIN NUP155 (NUCLEOPORIN NUP155) (155 KD NUCLEOPORIN) (P140).//7.80E-236//453aa//96%//P37199
 C-PLACE1008627//Homo sapiens mRNA for cysteine-rich protein.//0//1850bp//99%//AJ006591
- 30 C-PLACE1008643//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (III HEAVY CHAIN H2).//5.20E-90//483aa//38%//Q02668
 C-PLACE1008650//PRL1/PRL2-LIKE PROTEIN.//2.00E-127//354aa//62%//Q13615
 C-PLACE1008696//Homo sapiens NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8) gene, nuclear gene encoding mitochondrial protein, complete cds.//0//3002bp//99%//AF03 8406
- 35 C-PLACE1008790//Homo sapiens importin alpha 7 subunit mRNA, complete cds.//0//1670bp//99%//AF060543
 C-PLACE1008808//Homo sapiens mRNA for cell cycle checkpoint protein rad1A.//2.30E-269//1225bp//99%//AJ004974
 C-PLACE1008813//Rattus norvegicus rsec15 mRNA, complete cds.//8.80E-268//1171bp//90%//AF032668
- 40 C-PLACE1009020//NIFS PROTEIN.//3.90E-55//279aa//41%//P12623
 C-PLACE1009027//Homo sapiens mRNA for doublecortin.//0//1919bp//99%//AJ003112
 C-PLACE1009060//BRO1 PROTEIN.//6.70E-19//567aa//24%//P48582
 C-PLACE1009094//FURIN-LIKE PROTEASE 2 PRECURSOR (EC 3.4.21.75) (FURIN 2).//1.90E-44//480aa//30%//P30432
- 45 C-PLACE1009099//ZINC FINGER PROTEIN 41 (FRAGMENT).//1.10E-179//452aa//67%//P51814
 C-PLACE1009113//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds.//0//2529bp//99%//AF035586
 C-PLACE1009130//UBIQUITIN-PROTEIN LIGASE E3A (EC 6.3.2.-) (ONCOGENIC PROTEIN-ASSOCIATED PROTEIN E6-AP).//2.00E-68//181aa//43%//Q05086
- 50 C-PLACE1009158//Mus musculus mRNA for death inducer-obliterators-1 (Dio-1).//5.40E-200//1790bp//75%//AJ238332
 C-PLACE1009186//Homo sapiens small zinc finger-like protein (TIM9b) mRNA, complete cds.//9.60E-255//1179bp//98%//AF150105
 C-PLACE1009246//POLLEN SPECIFIC PROTEIN SF3.//4.40E-16//82aa//43%//P29675
- 55 C-PLACE1009298//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35.//2.00E-78//262aa//43%//P34110
 C-PLACE1009308//GLUCOSE REPRESSION MEDIATOR PROTEIN.//4.00E-06//439aa//23%//P14922
 C-PLACE1009319//Rattus norvegicus outer membrane protein (OMP25) mRNA, complete cds; nuclear gene for mitochondrial product.//2.10E-132//1229bp//75%//AF107295

- C-PLACE1009368//METAL HOMEOSTASIS FACTOR ATX27/2.50E-10//151aa//29%//Q12067
 C-PLACE1009398//ZINC FINGER PROTEIN 135.//6.20E-97//361aa//51%//P52742
 C-PLACE1009404//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I//4.70E-08//165aa//33%//Q09820
- 5 C-PLACE1009443//Mus musculus F-box protein FBL8 mRNA, complete cds.//1.00E-173//1367bp//77%//AF176523
 C-PLACE1009444//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KINASE) (PI4K-ALPHA) //7.80E-71//82aa//89%//P42356
 C-PLACE1009468//PHOSPHOLIPASE A-2-ACTIVATING PROTEIN (PLAP) //3.10E-289//550aa//93%//P54319
- 10 C-PLACE1009476//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III.//3.90E-40//179aa//37%//P34580
 C-PLACE1009477//Homo sapiens ubiquitin-fusion degradation protein 2 (UFD2) mRNA, complete cds.//6.60E-147//592bp//99%//AF043117
 C-PLACE1009524//ARF NUCLEOTIDE-BINDING SITE OPENER (ARNO PROTEIN) (ARF EXCHANGE FACTOR) //7.8.10E-99//228aa//75%//Q99418
- 15 C-PLACE1009571//Homo sapiens PTD002 mRNA, complete cds.//5.90E-185//857bp//99%//AF078857
 C-PLACE1009596//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//5.10E-54//291aa//40%//Q00808
 C-PLACE1009622//MATERNAL EFFECT PROTEIN STAUFEN.//1.30E-60//209aa//41%//P25159
 C-PLACE1009659//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (NAP1 PROTEIN).//1.50E-285//538aa//99%//P55161
- 20 C-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds.//0//1854bp//100%//AF062534
 C-PLACE1009708//HYPOTHETICAL 143.3 KD TRP-ASP REPEATS CONTAINING PROTEIN C12G12.13C IN CHROMOSOME I.//7.00E-33//166aa//43%//Q09876
 C-PLACE1009721//MSF1 PROTEIN.//1.70E-22//176aa//33%//P35200
- 25 C-PLACE1009731//AIG1 PROTEIN.//1.60E-22//274aa//28%//P54120
 C-PLACE1009763//Homo sapiens mRNA for Nedd8-activating enzyme hUba3, complete cds.//4.30E-294//1329bp//100%//AB012190
 C-PLACE1009798//RLR1 PROTEIN.//1.60E-18//270aa//23%//P53552
 C-PLACE1009845//WEB1 PROTEIN (PROTEIN TRANSPORT PROTEIN SEC31).//2.30E-59//405aa//33%//P38968
- 30 C-PLACE1009861//CATHEPSIN B-LIKE CYSTEINE PROTEINASE 6 PRECURSOR (EC 3.4.22.-).//6.50E-28//209aa//38%//P43510
 C-PLACE1009908//HYPOTHETICAL GTP-BINDING PROTEIN IN SEH1-PRP20 INTERGENIC REGION.//1.90E-108//277aa//43%//P53145
- 35 C-PLACE1009925//Homo sapiens RNA helicase (RIG-I) mRNA, complete cds.//0//1730bp//99%//AF038963
 C-PLACE1009992//LIMULUS CLOTTING FACTOR C PRECURSOR (EC 3.4.21.84).//4.60E-59//450aa//34%//P28175
 C-PLACE1009997//Rattus norvegicus A-kinase anchoring protein AKAP 220 mRNA, complete cds.//5.20E-70//736bp//73 %//U48288
- 40 C-PLACE1010053//M.musculus Spnr mRNA for RNA binding protein.//6.00E-279//1402bp//94%//X84692
 C-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2019bp//99%//AF065482
 C-PLACE1010096//100 KD PROTEIN (EC 6.3.2.-).//1.40E-268//506aa//98%//Q62671
 C-PLACE1010105//RING CANAL PROTEIN (KELCH PROTEIN).//7.30E-114//537aa//44%//Q04652
- 45 C-PLACE1010134//TRANSCRIPTION REGULATORY PROTEIN SNF2 (SWI/SNF COMPLEX COMPONENT SNF2) (REGULATORY PROTEIN SWI2) (REGULATORY PROTEIN GAM1) (TRANSCRIPTION FACTOR TYE3).//1.70E-20//156aa//42%//P22082
 C-PLACE1010148//CYUCIN I (MULTIPLE-BAND POLYPEPTIDE I).//4.60E-07//431aa//23%//P35662
 C-PLACE1010194//SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPUCING COMPONENT, 35 KD) (PR264 PROTEIN).//9.80E-11//95aa//49%//Q01130
- 50 C-PLACE1010231//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR).//5.1 OE-27//371aa//28%//Q14246
 C-PLACE1010261//SEGREGATION DISTORTER PROTEIN.//1.60E-77//214aa//62%//P25722
 C-PLACE1010310//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT).//1.20E-18//467aa//30%//P46804
 C-PLACE1010321//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).//1.10E-09//350aa//22%//P52178
- 55 C-PLACE1010362//1-PHOSPHATIDYLINOSITOL PHOSPHODIESTERASE PRECURSOR (EC 3.1.4.10) (PHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE C) (PI-PLC).//2.00E-09//126aa//29%//P34024
 C-PLACE1010481//Bos taurus C5-glucuronyl epimerase mRNA, partial cds.//0//2082bp//91%//AF003927

- C-PLACE1010522//Homo sapiens mRNA for DEPP (decidual protein induced by progesterone), complete cds.//0//1981 bp//99%//AB022718
- C-PLACE1010529//Homo sapiens TANK binding kinase TBK1 (TBK1) mRNA, complete cds.//0//1750bp//99%//AF191838
- 5 C-PLACE1010547//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//1.20E-07//616aa//24%//P25386
- C-PLACE1010579//Homo sapiens CED-6 protein (CED-6) mRNA, complete cds.//8.80E-300//1359bp//99%//AF191771
- 10 C-PLACE1010599//Homo sapiens Pex14 mRNA for peroxisomal membrane anchor protein, complete cds.//0//1904bp//99%//AB017546
- C-PLACE1010622//TROPONIN T, CARDIAC MUSCLE ISOFORMS (TNTC).//0.00000016//120aa//28%//P02642
- C-PLACE1010628//Homo sapiens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene, partial cds.//7.50E-08//324bp//64%//AF109907
- 15 C-PLACE1010661//TESTIS-SPECIFIC PROTEIN PBS 13.//5.70E-75//423aa//39%//Q01755
- C-PLACE1010662//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT).//1.80E-222//808aa//52%//Q09332
- C-PLACE1010702//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//5.20E-151//427aa//55%//P28160
- C-PLACE1010720//Homo sapiens mRNA for chromosome-associated polypeptide-C, complete cds.//4.00E-299//1091bp//99%//AB019987
- 20 C-PLACE1010743//Homo sapiens myosin-IXb splice variant (Myo9b) mRNA, partial cds.//8.90E-91//668bp//82%//AF020267
- C-PLACE1010761//Homo sapiens mRNA for cisplatin resistance-associated overexpressed protein, complete cds.//0//1448bp//99%//AB034205
- C-PLACE1010771//M.musculus HCNGP mRNA.//7.40E-168//966bp//89%//X68061
- 25 C-PLACE1010811//Rattus norvegicus mRNA for protein encoded by bdeight gene, partial.//1.60E-217//858bp//87%//AJ010392
- C-PLACE1010833//CALTRACTIN(CENTRIN).//0.0000001//154aa//28%//P41209
- C-PLACE1010870//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.30E-143//407aa//58%//Q05481
- 30 C-PLACE1010896//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110).//1.50E-25//583aa//23%//P35580
- C-PLACE1010926//HYPOTHETICAL 72.2 KD PROTEIN C12C2.05C IN CHROMOSOME II.//7.60E-23//103aa//53%//Q09746
- C-PLACE1010942//Homo sapiens intersectin long isoform (ITSN) mRNA, complete cds.//0//1440bp//99%//AF114487
- 35 C-PLACE1010960//ACTIN-LIKE PROTEIN 13E.//5.30E-98//297aa//48%//P45890
- C-PLACE1011041//Homo sapiens mRNA for BAP2-alpha protein, complete cds.//0//1701bp//97%//AB015019
- C-PLACE1011046//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 1 (EC 3.1.4.11) (PLC-BETA-1) (PHOSPHOLIPASE C-BETA-1) (PLC-I) (PLC-154).//0//646aa//97%//P10894
- 40 C-PLACE1011056//HISTONE H1, GONADAL.//6.80E-13//154aa//37%//P02256
- C-PLACE1011109//ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEFG).//1.50E-22//63aa//88%//Q07803
- C-PLACE1011114//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.//2.90E-71//190aa//44%//Q03532
- C-PLACE1011160//Homo sapiens HFB30 mRNA, complete cds.//0//1691bp//99%//AB022663
- 45 C-PLACE1011185//INSERTION ELEMENT IS1 PROTEIN INSB.//1.30E-89//167aa//100%//P03830
- C-PLACE1011219//PROBABLE OXIDOREDUCTASE (EC 1.-.-) //3.20E-12//212aa//29%//Q03326
- C-PLACE1011229//Homo sapiens ubiquitin-specific protease homolog (UPH) mRNA, complete cds.//2.30E-152//701bp//99%//AF153604
- C-PLACE1011310//MYOSIN HEAVY CHAIN, GIZZARD SMOOTH MUSCLE.//3.50E-20//496aa//25%//P10587
- 50 C-PLACE1011332//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//7.20E-151//697bp//99%//AF102265
- C-PLACE1011340//Homo sapiens IDN3-B mRNA, complete cds.//1.20E-74//380bp//97%//AB019602
- C-PLACE1011371//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN H2).//1.70E-78//383aa//39%//Q061703
- 55 C-PLACE1011399//Homo sapiens CGI-72 protein mRNA, complete cds.//3.20E-90//427bp//99%//AF151830
- C-PLACE1011433//TRANSCRIPTION FACTOR IIIA (FACTOR A) (TFIIIA).//3.00E-10//236aa//25%//P34695
- C-PLACE1011477//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2040bp//99%//AF065482
- C-PLACE1011492//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).//

- 4.90E-11//147aa//32%//P52178
C-PLACE1011576//Human Kruppel related zinc finger protein (HTF10) mRNA, complete cds.//0//1791bp//82%//L11672
- 5 C-PLACE1011586//Rattus norvegicus clone C53 CDK5 activator-binding protein mRNA, complete cds//4.10E-259//1538bp//87%//AF177476
C-PLACE1011635//Homo sapiens heparan sulfate D-glucosaminyl 3-O-sulfotransferase-3B (3OST3B1) mRNA, complete cds.//0//1559bp//99%//AF105377
C-PLACE1011664//CROOKED NECK PROTEIN.//1.60E-187//505aa//64%//P17886
C-PLACE1011858//Homo sapiens BAG-family molecular chaperone regulator-2 mRNA, complete cds.//1.30E-255//1179bp//99%//AF095192
- 10 C-PLACE1011896//Mus musculus Wnt10a mRNA, complete cds.//2.60E-287//1820bp//85%//U61969
C-PLACE1011922//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B) //1.30E-15//409aa//27%//P35580
C-PLACE1011923//Homo sapiens serum-inducible kinase mRNA, complete cds.//0//2782bp//99%//AF059617
- 15 C-PLACE101-2031//Homo sapiens sorting nexin 13 (SNX13) mRNA, partial cds.//0//1701bp//100%//AF121862
C-PLACE2000014//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III.//2.60E-42//104aa//49%//Q09475
C-PLACE2000015//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN EPS15) (AF-1P PROTEIN) //1.10E-116//364aa//45%//P42566
- 20 C-PLACE2000021//Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase mRNA, complete cds.//2.70E-107//981bp//74%//AF082556
C-PLACE2000034//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48).//2.20E-29//212aa//35%//P10586
C-PLACE2000039//DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC) (MAP 1C) //6.10E-293//388aa//99%//P38650
- 25 C-PLACE2000062//Homo sapiens mRNA for type II membrane protein similar to HIV gp120-binding C-type lectin, complete cds, clone:HP01347.//6.30E-166//656bp//94%//AB015629
C-PLACE2000072//Homo sapiens ZNF202 beta (ZNF202) mRNA, complete cds.//0//3174bp//99%//AF027219
C-PLACE2000164//TIPD PROTEIN //2.10E-59//481aa//33%//O15736
C-PLACE2000216//SPECTRIN BETA CHAIN, BRAIN (SPECTRIN, NON-ERYTHROID BETA CHAIN) (FODRIN BETA CHAIN) (SPTBN1) //6.60E-115//226aa//99%//Q01082
- 30 C-PLACE2000246//RING CANAL PROTEIN (KELCH PROTEIN) //6.00E-57//239aa//34%//Q04652
C-PLACE2000274//DYNEIN BETA CHAIN, CILIARY //2.20E-167//880aa//37%//P23098
C-PLACE2000341//Homo sapiens sodium-dependent multivitamin transporter (SMVT) mRNA, complete cds.//0//1554bp//99%//AF069307
- 35 C-PLACE2000371//TENSIN //2.90E-78//561aa//37%//Q04205
C-PLACE2000373//F-SPONDIN PRECURSOR.//8.60E-16//371aa//28%//P35446
C-PLACE2000398//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48).//6.30E-37//90aa//98%//P10586
C-PLACE2000399//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PROTEIN) (12E7) //1.60E-14//180aa//39%//P14209
- 40 C-PLACE2000404//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE) (LEURS) //9.90E-229//821aa//54%//Q09996
C-PLACE2000411//Homo sapiens epsin 2b mRNA, complete cds.//3.80E-271//642bp//99%//AF062085
C-PLACE2000427//PROBABLE HELICASE MOT1.//1.20E-26//200aa//27%//P32333
- 45 C-PLACE2000438//POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN-UDP ACETYL GALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N- ACETYL GALACTOSAMINYLTRANSFERASE) (GALNAC-T1) //2.10E-86//348aa//41%//Q10472
C-PLACE2000458//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN) //2.50E-25//165aa//40%//P33450
- 50 C-PLACE2000477//Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds.//6.70E-127//671bp//94%//AF072733
C-PLACE3000009//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1)(FRAGMENT) //3.50E-30//400aa//30%//P11414
C-PLACE3000020//Homo sapiens type III adenylyl cyclase (AC-III) mRNA, complete cds.//0//2253bp//99%//AF033861
- 55 C-PLACE3000059//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//1979bp//90%//Y1267
C-PLACE3000121//VESICULAR TRAFFIC CONTROL PROTEIN SEC15//1.90E-08//281aa//22%//P22224
C-PLACE3000145//TENSIN //1.00E-108//277aa//75%//Q04205

- C-PLACE3000147//Homo sapiens metalloproteinase with thrombospondin type 1 motifs ADAMTS1 (ADAMTS1) mRNA, complete cds.//0//2043bp//99%//AF170084
- C-PLACE3000169//ZINC FINGER PROTEIN 135.//2.50E-90//358aa//47%//P52742
- 5 C-PLACE3000218//Homo sapiens putative protein O-mannosyltransferase (POMT2) mRNA, complete cds.//0//1862bp//98%//AF105020
- C-PLACE3000242//Human trophinin mRNA, complete cds.//0//2290bp//99%//U04811
- C-PLACE3000244//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR).//0//1435aa//92%//P53995
- C-PLACE3000254//Homo sapiens transcriptional activator SRCAP (SRCAP) mRNA, complete cds.//0//4583bp//83%//AF143946
- 10 C-PLACE3000339//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//9.60E-08//359aa//23%//P08640
- C-PLACE3000350//SERINE/THREONINE-PROTEIN KINASE SULU (EC 2.7.1.-).//1.00E-54//418aa//38%//P46549
- 15 C-PLACE3000416//Homo sapiens mRNA for actin binding protein ABP620, complete cds.//1.80E-141//565bp//98%//AB029290
- C-PLACE3000477//Homo sapiens phosphoprotein pp75 mRNA, partial cds.//0//3012bp//98%//AF153085
- C-PLACE4000009//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B).//2.90E-54//626aa//29%//P35580
- C-PLACE4000014//X-LINKED HEUCASE II (X-LINKED NUCLEAR PROTEIN) (XNP).//3.10E-111//348aa//41%//P46100
- 20 C-PLACE4000052//Homo sapiens ATP cassette binding transporter 1 (ABC1) mRNA, complete cds.//0//4661bp//99%//AF165281
- C-PLACE4000063//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//1.70E-15//740aa//23%//P08640
- 25 C-PLACE4000100//Homo sapiens hydroxypyruvate reductase (GRHPR) gene, complete cds.//0//4199bp//97%//AF146689
- C-PLACE4000128//Mus musculus putative transcription factor mRNA, complete cds.//1.60E-86//190aabp//88%//AF091234
- C-PLACE4000156//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.40E-235//516aa//51%//Q05481
- 30 C-PLACE4000192//ZINC FINGER PROTEIN 142 (KIAA0236) (HA4654).//7.00E-22//369aa//25%//P52746
- C-PLACE4000211//Homo sapiens BAZ2A mRNA for bromodomain adjacent to zinc finger domain 2A, complete cds.//0//5709bp//96%//AB032254
- C-PLACE4000230//Mus musculus semaphorin VIa mRNA, complete cds.//0//2567bp//88%//AF030430
- 35 C-PLACE4000259//H.sapiens gene for U5 snRNP-specific 200kD proteom.//0//5143bp//90%//Z70200
- C-PLACE4000261//PEREGRIN (BR140 PROTEIN).//9.50E-10//128aa//34%//P55201
- C-PLACE4000269//Rattus norvegicus rexo70 mRNA, complete cds.//0//2034bp//89%//AF032667
- C-PLACE4000326//NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT SUPPRESSOR 1).//8.10E-24//319aa//31%//P30771
- 40 C-PLACE4000369//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP240 mRNA, complete cds.//1.40E-185//1135bp//67%//AF117754
- C-PLACE4000401//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//7.20E-22//54aa//62%//Q01576
- C-PLACE4000431//H.sapiens gene for U5 snRNP-specific 200kD protein.//0//5142bp//90%//Z70200
- 45 C-PLACE4000450//Homo sapiens BAZ2A mRNA for bromodomain adjacent to zinc finger domain 2A, complete cds.//0//5709bp//96%//AB032254
- C-PLACE4000489//PROTEIN GRAINY-HEAD (DNA-BINDING PROTEIN ELF-1) (ELEMENT I-BINDING ACTIVITY) (TRANSCRIPTION FACTOR NTF-1).//7.70E-60//254aa//44%//P13002
- C-PLACE4000522//NEUROGENIC LOCUS NOTCH PROTEIN HOMOLOG PRECURSOR (XOTCH PROTEIN).//2.40E-191//828aa//48%//P21783
- 50 C-PLACE4000548//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//8.70E-13//784aa//21%//P08640
- C-PLACE4000558//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE FAF (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE FAF) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE FAF) (DEUBIQUITINATING ENZYME FAF) (FAT FACETS PROTEIN).//1.50E-26//252aa//35%//P55824
- 55 C-PLACE4000581//FIBROPELLIN I PRECURSOR (EPIDERMAL GROWTH FACTOR-RELATED PROTEIN 1) (UEGF-1).//9.30E-70//226aa//52%//P10079
- C-PLACE4000650//TUBERIN (TUBEROUS SCLEROSIS 2 HOMOLOG PROTEIN).//7.90E-17//201aa//34%//

- P49816
 C-PLACE4000654//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//6340bp//87%//Y17267
 C-SKNMC1000011//PUTATIVE IMPORTIN BETA-4 SUBUNIT (KARYOPHERIN BETA-4 SUBUNIT).//5.50E-35//
 431aa//29%//O60100
- 5 C-SKNMC1000013//Homo sapiens ATP-binding cassette protein M-ABC1 mRNA, nuclear gene encoding mito-
 chondrial protein, complete cds.//0//2384bp//99%//AF047690
 C-SKNMC1000046//Homo sapiens liprin-alpha3 mRNA, partial cds.//1.90E-162//749bp//99%//AF034800
 C-SKNMC1000050//CALPAIN 2, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEU-
 TRAL PROTEINASE) (CANP) (M-TYPE).//3.20E-41//87aa//98%//P17655
- 10 C-SKNMC1000091//Homo sapiens mRNA for leucine-zipper protein, complete cds.//6.10E-190//872bp//99%//
 AB021663
 C-THYRO1000034//TRICHOHYALIN.//9.40E-10//176aa//30%//P37709
 C-THYRO1000072//MYOSIN UGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC
 2.7.1.117) (MLCK) [CONTAINS: TELOKIN].//3.40E-16//201aa//29%//P11799
- 15 C-THYRO1000085//PAIRED BOX PROTEIN PAX-8, ISOFORMS 8A/8B.//2.00E-72//155aa//92%//Q06710
 C-THYRO1000121//Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds.//0//1737bp//87%//
 U49055
 C-THYRO1000132//Homo sapiens echinoderm microtubule-associated protein homolog HuEMAP mRNA, com-
 plete cds.//1.10E-159//824bp//95%//U97018
- 20 C-THYRO1000173//Homo sapiens AP-mu chain family member muB (HSMU1B) mRNA, complete cds.//0//
 1713bp//99%//AF020797
 C-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease.//0//2362bp//99%//AJ005698
 C-THYRO1000242//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//5.00E-118//239aa//66%//
 P51523
- 25 C-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds.//0//2161bp//99%//AB016068
 C-THY-RO1000327//Homo sapiens autocrine motility factor receptor (AMFR) mRNA, complete cds.//0//1567bp//
 99%//AF124145
 C-THYRO1000343//ATROPHIN-1 (DENTATORUBRAL-PALUDOLUYSIAN ATROPHY PROTEIN).//4.90E-06//
 280aa//31%//P54259
- 30 C-THYRO1000358//SELENIUM-BINDING LIVER PROTEIN.//2.30E-229//237aa//79%//P17563
 C-THYRO1000394//Homo sapiens peroxisomal membrane protein PMP 24 mRNA, complete cds.//1.20E-299//
 1325bp//99%//AF072864
 C-THYRO1000395//Homo sapiens actin-binding protein (IPP) mRNA, complete cds.//0//2092bp//99%//AF156857
 C-THYRO1000401//Human TcD37 homolog (HTcD37) mRNA, partial cds.//1.10E-90//430bp//99%//U67085
- 35 C-THYRO1000488//Homo sapiens HFB30 mRNA, complete cds.//0//2254bp//100%//AB022663
 C-THYRO1000501//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A))//
 4.20E-98//408aa//42%//P19474
 C-THYRO1000569//Mus musculus hematopoietic zinc finger protein mRNA, complete cds.//0//1557bp//91%//
 AF118566
- 40 C-THYRO1000585//Homo sapiens protein associated with Myc mRNA, complete cds.//0//1901bp//99%//
 AF075587
 C-THYRO1000605//Homo sapiens histone acetyltransferase (HBOa) mRNA, complete cds.//0//3080bp//99%//
 AF140360
 C-THYRO1000662//Homo sapiens XPV mRNA for DNA polymerase eta, complete cds.//0//2341 bp//99%//
 45 AB024313
 C-THYRO1000666//Mus musculus mRNA for kinesin like protein 9.//0//2001bp//86%//AJ132889
 C-THYRO1000684//Homo sapiens BAG-family molecular chaperone regulator-5 mRNA, complete cds.//0//
 3347bp//99%//AF095195
 C-THYRO1000748//RHO-GAP HEMATOPOIETIC PROTEIN C1 (P115) (KIAA0131).//3.30E-96//335aa//52%//
 50 P98171
 C-THYRO1000756//ALPHA-N-ACETYL GALACTOSAMINIDE ALPHA-2,6-SIALYLTRANSFERASE (EC 2.4.99.-)
 (ST6GALNACIII)(STY).//1.80E-55//243aa//42%//Q64686
 C-THYRO1000783//Xenopus laevis tail-specific thyroid hormone up-regulated (gene 5) mRNA, complete cds.//
 2.40E-157//1656bp//70%//U37373
- 55 C-THYRO1000852//Human branched-chain amino acid aminotransferase (ECA40) mRNA, complete cds.//1.40E-
 137//689bp//96%//U62739
 C-THYRO1000926//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//0//
 2387bp//99%//AF079529

- C-THYRO11000934//PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE)//
7.50E-57//315aa//43%//P32322
- C-THYRO1000951//DIHYDROXYACETONE KINASE 2 (EC 2.7.1.29) (GLYCERONE KINASE)//5.00E-83//
566aa//37%//P43550
- 5 C-THYRO1000983//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN
LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B)//6.30E-17//143aa//39%//P35132
- C-THYRO1001003//UBIQUITIN-CONJUGATING ENZYME E2-21.2 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN
UGASE) (UBIQUITIN CARRIER PROTEIN)//5.90E-14//84aa//41%//P52491
- 10 C-THYRO1001033//TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521 //8.40E-12//167aa//29%//P31948
- C-THYRO1001100//ZINC FINGER X-UNKED PROTEIN ZXDA (FRAGMENT)//1.20E-67//245aa//62%//P98168
- C-THYRO1001120//Homo sapiens deltex (Dx) mRNA, complete cds//1.30E-110//1947bp//65%//AF053700
- C-THYRO1001134//Homo sapiens CGI-78 protein mRNA, complete cds//0//1898bp//99%//AF151835
- C-THYRO1001189//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7)//1.10E-200//546aa//
62%//Q05481
- 15 C-THYRO1001204//Homo sapiens cathepsin Z precursor (CTSZ) gene, exons 4, 5, and 6 and complete cds; and
TH1 gene partial sequence//3.80E-100//478bp//99%//AF136276
- C-THYRO1001287//MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (EC 3.2.1.113) (MAN(9)-
ALPHA-MANNOSIDASE) (FRAGMENT)//3.40E-51//429aa//33%//P45701
- C-THYRO1001313//Homo sapiens sorting nexin 11 (SNX11) mRNA, complete cds//0//2330bp//94%//AF121861
- 20 C-THYRO1001347//Homo sapiens RAN binding protein 16 mRNA, complete cds//2.00E-263//3101bp//68%//
AF064729
- C-THYRO1001374//CYTOSOLIC ACYL COENZYME A THIOESTER HYDROLASE (EC 3.1.2.2) (LONG CHAIN
ACYL-COA THIOESTER HYDROLASE) (CTE-II)//1.80E-13//361aa//22%//O00154
- C-THYRO1001405//PLECTIN//6.90E-19//450aa//27%//P30427
- 25 C-THYRO1001406//PUTATIVE STEROID DEHYDROGENASE KIK-I (EC 1.1.1.-)//1.10E-131//219aa//81%//
O70503
- C-THYRO1001458//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN,
TYPE B) (NMMHC-B)//2.70E-171//559aa//59%//P35580
- C-THYRO1001617//Homo sapiens cDNA for dihydroxyacetone phosphate acyltransferase (DAP-AT)//0//1784bp//
99%//AJ002190
- 30 C-THYRO1001656//Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds//4.10E-273//1947bp//
82%//AF175968
- C-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform//0//1820bp//99%//
AJ225089
- 35 C-THYRO1001703//NIFR3-LIKEPROTEIN//2.90E-32//282aa//32%//P45672
- C-THYRO1001721//RING CANAL PROTEIN (KELCH PROTEIN)//9.30E-34//220aa//38%//Q04652
- C-THYRO1001738//TUBULIN--TYROSINE LIGASE (EC 6.3.2.25) (TTL)//2.40E-20//217aa//30%//P38584
- C-THYRO1001809//MYOCYTE NUCLEAR FACTOR (MNF)//1.40E-74//158aa//89%//P42128
- 40 C-Y79AA1000013//Mus musculus RING finger protein A07 mRNA, complete cds//8.90E-205//1435bp//81%//
AF171060
- C-Y79AA1000033//Homo sapiens CARD4 mRNA, complete cds//0//2929bp//96%//AF126484
- C-Y79AA1000037//DNA-BINDING PROTEIN BMI-1//2.40E-30//80aa//60%//P25916
- C-Y79AA1000059//Homo sapiens aryl-hydrocarbon interacting protein-like 1 (AIP1) gene, complete cds//0//
980bp//96%//AF180472
- 45 C-Y79AA1000181//Homo sapiens CGI-01 protein mRNA, complete cds//0//1858bp//99%//AF132936
- C-Y79AA1000214//Homo sapiens histone H2A.F/Z variant (H2AV) mRNA, complete cds//7.10E-71//345bp//
100%//AF081192
- C-Y79AA1000231//Homo sapiens nucleolar protein NOP5/NOP58 mRNA, complete cds//0//1515bp//99%//
AF123534
- 50 C-Y79AA1000268//Mus musculus Nip21 mRNA, complete cds//2.10E-50//648bp//64%//AF035207
- C-Y79AA1000313//CALPHOTIN//0.000011//336aa//23%//Q02910
- C-Y79AA1000328//SEL-10 PROTEIN//0.000000067//219aa//25%//Q93794
- C-Y79AA1000342//Homo sapiens Ciz1 mRNA, complete cds//0//2644bp//81%//AB030835
- C-Y79AA1000346//Homo sapiens nonclathrin coat protein gamma2-COP mRNA, complete cds//0//2520bp//99%//
AF157833
- 55 C-Y79AA1000349//M.musculus Spnr mRNA for RNA binding protein//0//2048bp//93%//X84692
- C-Y79AA1000368//REDUCED VIABILITY UPON STARVATION PROTEIN 161//4.00E-20//261aa//27%//P25343
- C-Y79AA1000469//Mus musculus ancient ubiquitous 46 kDa protein AUP1 precursor (Aup1) mRNA, complete

- cds.//8.30E-252//1207bp//85%//U41736
 C-Y79AA1000540//CELL POLARITY PROTEIN TEA1 //2.10E-12//211aa//33%//P87061
 C-Y79AA1000560//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT)7//0//652aa//98%//P17427
 5 C-Y79AA1000589//32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION//2.40E-27//216aa//34%//P28320
 C-Y79AA1000627//Homo sapiens zinc finger protein (ZF5128) mRNA, complete cds.//2.00E-287//2031bp//82%//AF060503
 C-Y79AA1000705//M.musculus mRNA of enhancer-trap-locus 1 //5.80E-254//1477bp//84%//X69942
 10 C-Y79AA1000734//Homo sapiens peroxisomal biogenesis factor (PEX11b) mRNA, complete cds.//0//1594bp//99%//AF093670
 C-Y79AA1000748//Rattus norvegicus clone C42 CDK5 activator-binding protein mRNA, complete cds.//6.60E-286//1832bp//84%//AF177477
 C-Y79AA1000752//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP).//4.90E-91//200aa//64%//Q61990
 15 C-Y79AA1000782//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5).//3.00E-37//469aa//27%//P49902
 C-Y79AA1000784//Homo sapiens RanBP7/importin 7 mRNA, complete cds.//1.10E-236//1076bp//99%//AF098799
 C-Y79AA1000794//Homo sapiens actin-associated protein 2E4/kaplin (2E4) mRNA, 2E4-1 allele, complete cds.//0//1610bp//99%//AF105369
 20 C-Y79AA1000800//Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds.//1.60E-284//1288bp//99%//AF072733
 C-Y79AA1000833//TUBULIN ALPHA-1 CHAIN.//5.00E-173//220aa//79%//P05209
 C-Y79AA1000962//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II)7//4.20E-17//430aa//27%//Q99323
 25 C-Y79AA1000966//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1586bp//99%//AF100757
 C-Y79AA1000968//Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds.//3.90E-248//1468bp//87%//U38253
 C-Y79AA1000985//Human centrosomal protein kendrin mRNA, complete cds.//4.70E-151//985bp//87%//U52962
 30 C-Y79AA1001048//ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.-) (VLCAD).//3.10E-138//583aa//47%//P45953
 C-Y79AA1001211//Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds.//0//1435bp//99%//AF139658
 C-Y79AA1001233//ESTRADIOL 17 BETA-DEHYDROGENASE 1 (EC 1.1.1.62) (17-BETA-HSD 1) (17-BETA-HYDROXYSTEROID DEHYDROGENASE 1).//7.70E-50//228aa//42%//P51657
 35 C-Y79AA1001236//Homo sapiens cell division protein mRNA, complete cds.//0//1612bp//99%//AF063015
 C-Y79AA1001299//Homo sapiens mRNA for integrase interactor 1b protein (INI1B).//0//996bp//99%//AJ011738
 C-Y79AA1001312//ZINC FINGER PROTEIN MLZ-4 (ZINC FINGER PROTEIN 46).//0.000000023//193aa//30%//Q03309
 40 C-Y79AA1001323//Mus musculus mRNA for GSG1, complete cds.//3.30E-172//1171bp//83%//D87325
 C-Y79AA1001384//Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA, complete cds.//0//4708bp//99%//AF055084
 C-Y79AA1001391//HOMEOBOX PROTEIN HOX-A13 (HOX-1J).//1.20E-58//178aa//66%//P31271
 C-Y79AA1001394//CELL DIVISION PROTEIN FTSH HOMOLOG (EC 3.4.24.-).//1.20E-13//230aa//32%//O83746
 45 C-Y79AA1001402//Homo sapiens paraneoplastic cancer-testis-brain antigen (MA4) mRNA, partial cds.//8.50E-65//784bp//62%//AF083115
 C-Y79AA1001493//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B).//3.80E-18//151aa//38%//P35132
 C-Y79AA1001533//Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds.//4.50E-193//1333bp//80%//D14336
 50 C-Y79AA1001548//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KINASE) (PI4K-ALPHA).//7.50E-76//85aa//90%//P42356
 C-Y79AA1001581//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.90E-40//482aa//27%//P27550
 55 C-Y79AA1001594//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR).//2.50E-14//410aa//24%//Q00547
 C-Y79AA1001603//POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN-UDP ACETYL GALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N- ACETYL GALACTOS-

AMINYLTRANSFERASE) (GALNAC-T1) //1.70E-84//313aa//48%//Q07537
 C-Y79AA1001613//ZINC FINGER PROTEIN 132 //3.80E-91//209aa//41%//P52740
 C-Y79AA1001679//Homo sapiens lambda-crystallin mRNA, complete cds //3.4e-310//1430bp//98%//AF077049
 C-Y79AA1001692//Mus musculus strain C57BL/J germ cell-less protein (Gc1) mRNA, complete cds //1.40E-78//
 5 227aa//40%//Q01820
 C-Y79AA1001705//Homo sapiens p53 regulated PA26-T2 nuclear protein (PA26) mRNA, complete cds //3.40E-
 47//626bp//68%//AF033120
 C-Y79AA1001711//Human 60-kdal ribonucleoprotein (Ro) mRNA, complete cds //1.20E-258//1185bp//99%//
 J04137
 10 C-Y79AA1001827//Homo sapiens mammalian inositol hexakisphosphate kinase 2 (IP6K2) mRNA, complete cds //
 0//1689bp//98%//AF177145
 C-Y79AA1001866//Homo sapiens zinc finger protein ZNF180 (ZNF180) mRNA, complete cds //0//2927bp//97%//
 AF192913
 C-Y79AA1001874//OX40L RECEPTOR PRECURSOR (ACT35 ANTIGEN) (TAX-TRANSCRIPTIONALLY ACTI-
 15 VATED GLYCOPROTEIN 1 RECEPTOR) (CD134 ANTIGEN) //4.50E-08//135aa//31%//P43489
 C-Y79AA1001875//RAS-RELATED PROTEIN RAB-7 //9.40E-12//34aa//97%//P51149
 C-Y79AA1001923//Homo sapiens F-box protein Fbx22 (FBX22) gene, partial cds //7.10E-52//279bp//97%//
 AF174602
 C-Y79AA1001963//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE
 20 SPAC10F6.02C //1.00E-10//94aa//47%//Q42643
 C-Y79AA1002027//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN
 LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42) //9.90E-39//143aa//52%//P42743
 C-Y79AA1002083//H.sapiens mRNA for MUF1 protein //5.00E-163//752bp//99%//X86018
 C-Y79AA1002103//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT) //3.00E-257//549aa//76%//P16415
 25 C-Y79AA1002139//DNAJ PROTEIN HOMOLOG 1 (DROJ1) //9.00E-17//120aa//45%//Q24133
 C-Y79AA1002204//COMPLEXIN 2 (SYNAPHIN 1) (921-L) //7.50E-09//131aa//35%//Q13329
 C-Y79AA1002208//ANKYRIN //8.10E-34//188aa//38%//Q02357
 C-Y79AA1002209//TYROSYL-TRNA SYNTHETASE (EC 6.1.1.1) (TYROSINE--TRNA LIGASE) (TYRRS) //1.60E-
 72//437aa//39%//P00952
 30 C-Y79AA1002210//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PRO-
 TEIN) //0.0000018//140aa//25%//Q13829
 C-Y79AA1002211//PHOSPHATIDYLETHANOLAMINE-BINDING PROTEIN HOMOLOG F40A3.3 //1.70E-17//
 146aa//35%//O16264
 C-Y79AA1002229//DNA CROSS-LINK REPAIR PROTEIN PSO2/SNM1 //7.10E-17//213aa//31%//P30620
 35 C-Y79AA1002246//SYNAPTOTAGMIN V //1.60E-28//286aa//32%//O00445
 C-Y79AA1002258//Homo sapiens mRNA for HIP1R, complete cds //0//2106bp//99%//AB013384
 C-Y79AA1002307//Homo sapiens astrotactin2 (ASTN2) mRNA, complete cds //0//1209bp//99%//AF116574
 C-Y79AA1002311//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein //2.90E-186//1130bp//82%//
 X67877
 40 C-Y79AA1002361//Rattus norvegicus mRNA for protein phosphatase 1 (GL-subunit) //6.90E-140//966bp//82%//
 Y18208
 C-Y79AA1002399//Homo sapiens mRNA for sperm protein //0//1163bp//95%//X91879
 C-Y79AA1002416//Mus musculus CTP synthetase homolog (CTPsH) mRNA, complete cds //3.9e-317//1902bp//
 86%//U49385
 45 C-Y79AA1002431//TRANSDUCIN-LIKE ENHANCER PROTEIN 2 (ESG2) //9.80E-62//318aa//35%//Q04725
 C-Y79AA1002433//Homo sapiens chromatin- specific transcription elongation factor FACT 140 kDa subunit mR-
 NA, complete cds //0//1545bp//96%//AF152961
 C-Y79AA1002472//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7) //1.50E-136//472aa//
 49%//Q05481
 50 C-Y79AA1002482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7) //2.70E-137//340aa//
 51%//Q05481
 C-Y79AA1002487//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds //7.3e-311//
 1444bp//98%//AF129534

55

Claims

1. Use of an oligonucleotide as a primer for synthesizing the polynucleotide comprising the nucleotide sequence set

forth in any one of SEQ ID NOs: 1-5547 and SEQ ID NOs: 16111-16164, or the complementary strand thereof, wherein said oligonucleotide is complementary to said polynucleotide or the complementary strand thereof and comprises at least 15 nucleotides.

- 5 2. A primer set for synthesizing polynucleotides, the primer set comprising an oligo-dT primer and an oligonucleotide complementary to the complementary strand of the polynucleotide comprising the nucleotide sequence set forth in any one of SEQ ID NOs: 1-5547 and SEQ ID NOs: 16111-16164, wherein said oligonucleotide comprises at least 15 nucleotides.
- 10 3. A primer set for synthesizing polynucleotides, the primer set comprising a combination of an oligonucleotide comprising a nucleotide sequence complementary to the complementary strand of the polynucleotide comprising a 5'-end nucleotide sequence and an oligonucleotide comprising a nucleotide sequence complementary to the polynucleotide comprising a 3'-end nucleotide sequence, wherein said oligonucleotides comprise at least 15 nucleotides and wherein said combination of 5'-end nucleotide sequence 3'-end nucleotide sequence is selected from the group consisting of:

SEQ ID NO: 1 / SEQ ID NO: 5548, SEQ ID NO: 4 / SEQ ID NO: 5549, SEQ ID NO: 5 / SEQ ID NO: 5550, SEQ ID NO: 6 / SEQ ID NO: 5551, SEQ ID NO: 7 / SEQ ID NO: 5552, SEQ ID NO: 8 / SEQ ID NO: 5553, SEQ ID NO: 9 / SEQ ID NO: 5554, SEQ ID NO: 10 / SEQ ID NO: 5555, SEQ ID NO: 11 / SEQ ID NO: 5556, SEQ ID NO: 12 / SEQ ID NO: 5557, SEQ ID NO: 13 / SEQ ID NO: 5558, SEQ ID NO: 14 / SEQ ID NO: 5559, SEQ ID NO: 15 / SEQ ID NO: 5560, SEQ ID NO: 16 / SEQ ID NO: 5561, SEQ ID NO: 17 / SEQ ID NO: 5562, SEQ ID NO: 18 / SEQ ID NO: 5563, SEQ ID NO: 19 / SEQ ID NO: 5564, SEQ ID NO: 20 / SEQ ID NO: 5565, SEQ ID NO: 21 / SEQ ID NO: 5566, SEQ ID NO: 22 / SEQ ID NO: 5567, SEQ ID NO: 23 / SEQ ID NO: 5568, SEQ ID NO: 24 / SEQ ID NO: 5569, SEQ ID NO: 25 / SEQ ID NO: 5570, SEQ ID NO: 26 / SEQ ID NO: 5571, SEQ ID NO: 27 / SEQ ID NO: 5572, SEQ ID NO: 28 / SEQ ID NO: 5573, SEQ ID NO: 29 / SEQ ID NO: 5574, SEQ ID NO: 30 / SEQ ID NO: 5575, SEQ ID NO: 31 / SEQ ID NO: 5576, SEQ ID NO: 32 / SEQ ID NO: 5577, SEQ ID NO: 33 / SEQ ID NO: 5578, SEQ ID NO: 34 / SEQ ID NO: 5579, SEQ ID NO: 35 / SEQ ID NO: 5580, SEQ ID NO: 37 / SEQ ID NO: 5581, SEQ ID NO: 38 / SEQ ID NO: 5582, SEQ ID NO: 39 / SEQ ID NO: 5583, SEQ ID NO: 40 / SEQ ID NO: 5584, SEQ ID NO: 42 / SEQ ID NO: 5585, SEQ ID NO: 43 / SEQ ID NO: 5586, SEQ ID NO: 44 / SEQ ID NO: 5587, SEQ ID NO: 45 / SEQ ID NO: 5588, SEQ ID NO: 46 / SEQ ID NO: 5589, SEQ ID NO: 47 / SEQ ID NO: 5590, SEQ ID NO: 48 / SEQ ID NO: 5591, SEQ ID NO: 49 / SEQ ID NO: 5592, SEQ ID NO: 50 / SEQ ID NO: 5593, SEQ ID NO: 51 / SEQ ID NO: 5594, SEQ ID NO: 52 / SEQ ID NO: 5595, SEQ ID NO: 53 / SEQ ID NO: 5596, SEQ ID NO: 54 / SEQ ID NO: 5597, SEQ ID NO: 55 / SEQ ID NO: 5598, SEQ ID NO: 56 / SEQ ID NO: 5599, SEQ ID NO: 57 / SEQ ID NO: 5600, SEQ ID NO: 58 / SEQ ID NO: 5601, SEQ ID NO: 59 / SEQ ID NO: 5602, SEQ ID NO: 60 / SEQ ID NO: 5603, SEQ ID NO: 61 / SEQ ID NO: 5604, SEQ ID NO: 62 / SEQ ID NO: 5605, SEQ ID NO: 63 / SEQ ID NO: 5606, SEQ ID NO: 65 / SEQ ID NO: 5607, SEQ ID NO: 66 / SEQ ID NO: 5608, SEQ ID NO: 67 / SEQ ID NO: 5609, SEQ ID NO: 68 / SEQ ID NO: 5610, SEQ ID NO: 69 / SEQ ID NO: 5611, SEQ ID NO: 70 / SEQ ID NO: 5612, SEQ ID NO: 71 / SEQ ID NO: 5613, SEQ ID NO: 72 / SEQ ID NO: 5614, SEQ ID NO: 74 / SEQ ID NO: 5615, SEQ ID NO: 76 / SEQ ID NO: 5616, SEQ ID NO: 77 / SEQ ID NO: 5617, SEQ ID NO: 78 / SEQ ID NO: 5618, SEQ ID NO: 79 / SEQ ID NO: 5619, SEQ ID NO: 80 / SEQ ID NO: 5620, SEQ ID NO: 81 / SEQ ID NO: 5621, SEQ ID NO: 82 / SEQ ID NO: 5622, SEQ ID NO: 83 / SEQ ID NO: 5623, SEQ ID NO: 84 / SEQ ID NO: 5624, SEQ ID NO: 85 / SEQ ID NO: 5625, SEQ ID NO: 86 / SEQ ID NO: 5626, SEQ ID NO: 87 / SEQ ID NO: 5627, SEQ ID NO: 88 / SEQ ID NO: 5628, SEQ ID NO: 89 / SEQ ID NO: 5629, SEQ ID NO: 90 / SEQ ID NO: 5630, SEQ ID NO: 91 / SEQ ID NO: 5631, SEQ ID NO: 92 / SEQ ID NO: 5632, SEQ ID NO:

[illegible]

[illegible]

[illegible]

[illegible]

5
10
15
20
25
30
35
40
45
50
55

[illegible]

[illegible]

[illegible]

5
10
15
20
25
30
35
40
45
50
55

5
10
15
20
25
30
35
40
45
50
55

1

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

5
10
15
20
25
30
35
40
45
50
55

[illegible]

[illegible]

5
10
15
20
25
30
35
40
45
50
55

[illegible]

5
10
15
20
25
30
35
40
45
50
55

[illegible]

5
10
15
20
25
30
35
40
45
50
55

5
10
15
20
25
30
35
40
45
50
55

5
10
15
20
25
30
35
40
45
50
55

5
10
15
20
25
30
35
40
45
50
55

SEQ ID NO: 9441, SEQ ID NO: 9442 / SEQ ID NO: 9446 / SEQ ID NO: 9447 / SEQ ID NO: 9448, SEQ ID NO: 9449, SEQ ID NO: 9450, SEQ ID NO: 9451, SEQ ID NO: 9452, SEQ ID NO: 9453, SEQ ID NO: 9454, SEQ ID NO: 9455, SEQ ID NO: 9456, SEQ ID NO: 9457, SEQ ID NO: 9458, SEQ ID NO: 9459, SEQ ID NO: 9460, SEQ ID NO: 9461, SEQ ID NO: 9462, SEQ ID NO: 9463, SEQ ID NO: 9464, SEQ ID NO: 9465, SEQ ID NO: 9466, SEQ ID NO: 9467, SEQ ID NO: 9468, SEQ ID NO: 9469, SEQ ID NO: 9470, SEQ ID NO: 9471, SEQ ID NO: 9472, SEQ ID NO: 9473, SEQ ID NO: 9474, SEQ ID NO: 9475, SEQ ID NO: 9476, SEQ ID NO: 9477, SEQ ID NO: 9478, SEQ ID NO: 9479, SEQ ID NO: 9480, SEQ ID NO: 9481, SEQ ID NO: 9482, SEQ ID NO: 9483, SEQ ID NO: 9484, SEQ ID NO: 9485, SEQ ID NO: 9486, SEQ ID NO: 9487, SEQ ID NO: 9488, SEQ ID NO: 9489, SEQ ID NO: 9490, SEQ ID NO: 9491, SEQ ID NO: 9492, SEQ ID NO: 9493, SEQ ID NO: 9494, SEQ ID NO: 9495, SEQ ID NO: 9496, SEQ ID NO: 9497, SEQ ID NO: 9498, SEQ ID NO: 9499, SEQ ID NO: 9500, SEQ ID NO: 9501, SEQ ID NO: 9502, SEQ ID NO: 9503, SEQ ID NO: 9504, SEQ ID NO: 9505, SEQ ID NO: 9506, SEQ ID NO: 9507, SEQ ID NO: 9508, SEQ ID NO: 9509, SEQ ID NO: 9510, SEQ ID NO: 9511, SEQ ID NO: 9512, SEQ ID NO: 9513, SEQ ID NO: 9514, SEQ ID NO: 9515, SEQ ID NO: 9516, SEQ ID NO: 9517, SEQ ID NO: 9518, SEQ ID NO: 9519, SEQ ID NO: 9520, SEQ ID NO: 9521, SEQ ID NO: 9522, SEQ ID NO: 9523, SEQ ID NO: 9524, SEQ ID NO: 9525, SEQ ID NO: 9526, SEQ ID NO: 9527, SEQ ID NO: 9528, SEQ ID NO: 9529, SEQ ID NO: 9530, SEQ ID NO: 9531, SEQ ID NO: 9532, SEQ ID NO: 9533, SEQ ID NO: 9534, SEQ ID NO: 9535, SEQ ID NO: 9536, SEQ ID NO: 9537, SEQ ID NO: 9538, SEQ ID NO: 9539, SEQ ID NO: 9540, SEQ ID NO: 9541, SEQ ID NO: 9542, SEQ ID NO: 9543, SEQ ID NO: 9544, SEQ ID NO: 9545, SEQ ID NO: 9546, SEQ ID NO: 9547, SEQ ID NO: 9548, SEQ ID NO: 9549, SEQ ID NO: 9550, SEQ ID NO: 9551, SEQ ID NO: 9552, SEQ ID NO: 9553, SEQ ID NO: 9554, SEQ ID NO: 9555, SEQ ID NO: 9556, SEQ ID NO: 9557, SEQ ID NO: 9558, SEQ ID NO: 9559, SEQ ID NO: 9560, SEQ ID NO: 9561, SEQ ID NO: 9562, SEQ ID NO: 9563, SEQ ID NO: 9564, SEQ ID NO: 9565, SEQ ID NO: 9566, SEQ ID NO: 9567, SEQ ID NO: 9568, SEQ ID NO: 9569, SEQ ID NO: 9570, SEQ ID NO: 9571, SEQ ID NO: 9572, SEQ ID NO: 9573, SEQ ID NO: 9574, SEQ ID NO: 9575, SEQ ID NO: 9576, SEQ ID NO: 9577, SEQ ID NO: 9578, SEQ ID NO: 9579, SEQ ID NO: 9580, SEQ ID NO: 9581, SEQ ID NO: 9582, SEQ ID NO: 9583, SEQ ID NO: 9584, SEQ ID NO: 9585, SEQ ID NO: 9586, SEQ ID NO: 9587, SEQ ID NO: 9588, SEQ ID NO: 9589, SEQ ID NO: 9590, SEQ ID NO: 9591, SEQ ID NO: 9592, SEQ ID NO: 9593, SEQ ID NO: 9594, SEQ ID NO: 9595, SEQ ID NO: 9596, SEQ ID NO: 9597, SEQ ID NO: 9598, SEQ ID NO: 9599, SEQ ID NO: 9600.

[illegible]

[illegible]

[illegible]

NO: 4965 / SEQ ID NO: 9925, SEQ ID NO: 4966 / SEQ ID NO: 9926, SEQ ID NO: 4967 /
 SEQ ID NO: 9927, SEQ ID NO: 4968 / SEQ ID NO: 9928, SEQ ID NO: 4969 / SEQ ID NO:
 9929, SEQ ID NO: 4970 / SEQ ID NO: 9930, SEQ ID NO: 4971 / SEQ ID NO: 9931, SEQ ID
 NO: 4972 / SEQ ID NO: 9932, SEQ ID NO: 4973 / SEQ ID NO: 9933, SEQ ID NO: 4974 /
 5 SEQ ID NO: 9934, SEQ ID NO: 4975 / SEQ ID NO: 9935, SEQ ID NO: 4976 / SEQ ID NO:
 9936, SEQ ID NO: 4977 / SEQ ID NO: 9937, SEQ ID NO: 4978 / SEQ ID NO: 9938, SEQ ID
 NO: 4979 / SEQ ID NO: 9939, SEQ ID NO: 4980 / SEQ ID NO: 9940, SEQ ID NO: 4981 /
 10 SEQ ID NO: 9941, SEQ ID NO: 4982 / SEQ ID NO: 9942, SEQ ID NO: 4983 / SEQ ID NO:
 9943, SEQ ID NO: 4984 / SEQ ID NO: 9944, SEQ ID NO: 4985 / SEQ ID NO: 9945, SEQ ID
 NO: 4986 / SEQ ID NO: 9946, SEQ ID NO: 4987 / SEQ ID NO: 9947,
 SEQ ID NO: 4988 / SEQ ID NO: 9948, SEQ ID NO: 4989 / SEQ ID NO: 9949, SEQ ID NO:
 4990 / SEQ ID NO: 9950, SEQ ID NO: 4991 / SEQ ID NO: 9951, SEQ ID NO: 4992 / SEQ ID
 NO: 9952, SEQ ID NO: 4993 / SEQ ID NO: 9953, SEQ ID NO: 4994 / SEQ ID NO: 9954, SEQ
 15 ID NO: 4995 / SEQ ID NO: 9955, SEQ ID NO: 4996 / SEQ ID NO: 9956, SEQ ID NO: 4997 /
 SEQ ID NO: 9957, SEQ ID NO: 4998 / SEQ ID NO: 9958, SEQ ID NO: 4999 / SEQ ID NO:
 9959, SEQ ID NO: 5000 / SEQ ID NO: 9960, SEQ ID NO: 5001 / SEQ ID NO: 9961, SEQ ID
 NO: 5002 / SEQ ID NO: 9962, SEQ ID NO: 5004 / SEQ ID NO: 9963, SEQ ID NO: 5005 /
 20 SEQ ID NO: 9964, SEQ ID NO: 5006 / SEQ ID NO: 9965, SEQ ID NO: 5007 / SEQ ID NO:
 9966, SEQ ID NO: 5008 / SEQ ID NO: 9967, SEQ ID NO: 5009 / SEQ ID NO: 9968, SEQ ID
 NO: 5010 / SEQ ID NO: 9969, SEQ ID NO: 5011 / SEQ ID NO: 9970, SEQ ID NO: 5012 /
 SEQ ID NO: 9971, SEQ ID NO: 5013 / SEQ ID NO: 9972, SEQ ID NO: 5014 / SEQ ID NO:
 9973, SEQ ID NO: 5016 / SEQ ID NO: 9974, SEQ ID NO: 5017 / SEQ ID NO: 9975, SEQ ID
 25 NO: 5018 / SEQ ID NO: 9976, SEQ ID NO: 5019 / SEQ ID NO: 9977, SEQ ID NO: 5020 /
 SEQ ID NO: 9978, SEQ ID NO: 5021 / SEQ ID NO: 9979, SEQ ID NO: 5022 / SEQ ID NO:
 9980, SEQ ID NO: 5024 / SEQ ID NO: 9981, SEQ ID NO: 5025 / SEQ ID NO: 9982, SEQ ID
 NO: 5026 / SEQ ID NO: 9983, SEQ ID NO: 5027 / SEQ ID NO: 9984, SEQ ID NO: 5028 /
 30 SEQ ID NO: 9985, SEQ ID NO: 5029 / SEQ ID NO: 9986, SEQ ID NO: 5030 / SEQ ID NO:
 9987, SEQ ID NO: 5031 / SEQ ID NO: 9988, SEQ ID NO: 5032 / SEQ ID NO: 9989, SEQ ID
 NO: 5033 / SEQ ID NO: 9990, SEQ ID NO: 5035 / SEQ ID NO: 9991, SEQ ID NO: 5036 /
 SEQ ID NO: 9992, SEQ ID NO: 5037 / SEQ ID NO: 9993, SEQ ID NO: 5038 / SEQ ID NO:
 9994, SEQ ID NO: 5039 / SEQ ID NO: 9995, SEQ ID NO: 5040 / SEQ ID NO: 9996, SEQ ID
 NO: 5041 / SEQ ID NO: 9997, SEQ ID NO: 5042 / SEQ ID NO: 9998, SEQ ID NO: 5043 /
 35 SEQ ID NO: 9999, SEQ ID NO: 5044 / SEQ ID NO: 10000, SEQ ID NO: 5045 / SEQ ID NO:
 10001, SEQ ID NO: 5046 / SEQ ID NO: 10002, SEQ ID NO: 5047 / SEQ ID NO: 10003, SEQ
 ID NO: 5048 / SEQ ID NO: 10004, SEQ ID NO: 5049 / SEQ ID NO: 10005, SEQ ID NO: 5050
 / SEQ ID NO: 10006, SEQ ID NO: 5051 / SEQ ID NO: 10007, SEQ ID NO: 5052 / SEQ ID
 NO: 10008, SEQ ID NO: 5053 / SEQ ID NO: 10009, SEQ ID NO: 5054 / SEQ ID NO: 10010,
 40 SEQ ID NO: 5055 / SEQ ID NO: 10011, SEQ ID NO: 5056 / SEQ ID NO: 10012, SEQ ID NO:
 5057 / SEQ ID NO: 10013, SEQ ID NO: 5058 / SEQ ID NO: 10014, SEQ ID NO: 5059 / SEQ
 ID NO: 10015, SEQ ID NO: 5061 / SEQ ID NO: 10016, SEQ ID NO: 5062 / SEQ ID NO:
 10017, SEQ ID NO: 5064 / SEQ ID NO: 10018, SEQ ID NO: 5065 / SEQ ID NO: 10019, SEQ
 ID NO: 5066 / SEQ ID NO: 10020, SEQ ID NO: 5068 / SEQ ID NO: 10021, SEQ ID NO: 5069
 45 / SEQ ID NO: 10022, SEQ ID NO: 5070 / SEQ ID NO: 10023, SEQ ID NO: 5071 / SEQ ID
 NO: 10024, SEQ ID NO: 5072 / SEQ ID NO: 10025, SEQ ID NO: 5073 / SEQ ID NO: 10026,
 SEQ ID NO: 5074 / SEQ ID NO: 10027, SEQ ID NO: 5075 / SEQ ID NO: 10028, SEQ ID NO:
 5076 / SEQ ID NO: 10029, SEQ ID NO: 5077 / SEQ ID NO: 10030, SEQ ID NO: 5078 / SEQ
 ID NO: 10031, SEQ ID NO: 5079 / SEQ ID NO: 10032, SEQ ID NO: 5080 / SEQ ID NO:
 50 10033, SEQ ID NO: 5082 / SEQ ID NO: 10034, SEQ ID NO: 5083 / SEQ ID NO: 10035, SEQ
 ID NO: 5084 / SEQ ID NO: 10036, SEQ ID NO: 5085 / SEQ ID NO: 10037, SEQ ID NO: 5086
 / SEQ ID NO: 10038, SEQ ID NO: 5087 / SEQ ID NO: 10039, SEQ ID NO: 5088 / SEQ ID
 NO: 10040, SEQ ID NO: 5089 / SEQ ID NO: 10041, SEQ ID NO: 5090 / SEQ ID NO: 10042,
 55 SEQ ID NO: 5091 / SEQ ID NO: 10043, SEQ ID NO: 5092 / SEQ ID NO: 10044, SEQ ID NO:

5093 / SEQ ID NO: 10045, SEQ ID NO: 5094 / SEQ ID NO: 10046, SEQ ID NO: 5095 / SEQ
 ID NO: 10047,
 SEQ ID NO: 5096 / SEQ ID NO: 10048, SEQ ID NO: 5097 / SEQ ID NO: 10049, SEQ ID NO:
 5098 / SEQ ID NO: 10050, SEQ ID NO: 5099 / SEQ ID NO: 10051, SEQ ID NO: 5101 / SEQ
 5 ID NO: 10052, SEQ ID NO: 5102 / SEQ ID NO: 10053, SEQ ID NO: 5103 / SEQ ID NO:
 10054, SEQ ID NO: 5104 / SEQ ID NO: 10055, SEQ ID NO: 5105 / SEQ ID NO: 10056, SEQ
 ID NO: 5106 / SEQ ID NO: 10057, SEQ ID NO: 5107 / SEQ ID NO: 10058, SEQ ID NO: 5108
 / SEQ ID NO: 10059, SEQ ID NO: 5109 / SEQ ID NO: 10060, SEQ ID NO: 5110 / SEQ ID
 10 NO: 10061, SEQ ID NO: 5111 / SEQ ID NO: 10062, SEQ ID NO: 5112 / SEQ ID NO: 10063,
 SEQ ID NO: 5113 / SEQ ID NO: 10064, SEQ ID NO: 5114 / SEQ ID NO: 10065, SEQ ID NO:
 5115 / SEQ ID NO: 10066, SEQ ID NO: 5116 / SEQ ID NO: 10067, SEQ ID NO: 5117 / SEQ
 ID NO: 10068, SEQ ID NO: 5118 / SEQ ID NO: 10069, SEQ ID NO: 5119 / SEQ ID NO:
 10070, SEQ ID NO: 5120 / SEQ ID NO: 10071, SEQ ID NO: 5121 / SEQ ID NO: 10072, SEQ
 15 ID NO: 5122 / SEQ ID NO: 10073, SEQ ID NO: 5123 / SEQ ID NO: 10074, SEQ ID NO: 5124
 / SEQ ID NO: 10075, SEQ ID NO: 5127 / SEQ ID NO: 10076, SEQ ID NO: 5128 / SEQ ID
 NO: 10077, SEQ ID NO: 5129 / SEQ ID NO: 10078, SEQ ID NO: 5130 / SEQ ID NO: 10079,
 SEQ ID NO: 5131 / SEQ ID NO: 10080, SEQ ID NO: 5133 / SEQ ID NO: 10081, SEQ ID NO:
 5134 / SEQ ID NO: 10082, SEQ ID NO: 5135 / SEQ ID NO: 10083, SEQ ID NO: 5137 / SEQ
 20 ID NO: 10084, SEQ ID NO: 5138 / SEQ ID NO: 10085, SEQ ID NO: 5139 / SEQ ID NO:
 10086, SEQ ID NO: 5140 / SEQ ID NO: 10087, SEQ ID NO: 5141 / SEQ ID NO: 10088, SEQ
 ID NO: 5142 / SEQ ID NO: 10089, SEQ ID NO: 5143 / SEQ ID NO: 10090, SEQ ID NO: 5144
 / SEQ ID NO: 10091, SEQ ID NO: 5145 / SEQ ID NO: 10092, SEQ ID NO: 5146 / SEQ ID
 NO: 10093, SEQ ID NO: 5147 / SEQ ID NO: 10094, SEQ ID NO: 5148 / SEQ ID NO: 10095,
 25 SEQ ID NO: 5149 / SEQ ID NO: 10096, SEQ ID NO: 5150 / SEQ ID NO: 10097, SEQ ID NO:
 5151 / SEQ ID NO: 10098, SEQ ID NO: 5153 / SEQ ID NO: 10099, SEQ ID NO: 5154 / SEQ
 ID NO: 10100, SEQ ID NO: 5155 / SEQ ID NO: 10101, SEQ ID NO: 5156 / SEQ ID NO:
 10102, SEQ ID NO: 5157 / SEQ ID NO: 10103, SEQ ID NO: 5158 / SEQ ID NO: 10104, SEQ
 30 ID NO: 5159 / SEQ ID NO: 10105, SEQ ID NO: 5160 / SEQ ID NO: 10106, SEQ ID NO: 5161
 / SEQ ID NO: 10107, SEQ ID NO: 5162 / SEQ ID NO: 10108, SEQ ID NO: 5163 / SEQ ID
 NO: 10109, SEQ ID NO: 5164 / SEQ ID NO: 10110, SEQ ID NO: 5165 / SEQ ID NO: 10111,
 SEQ ID NO: 5166 / SEQ ID NO: 10112, SEQ ID NO: 5167 / SEQ ID NO: 10113, SEQ ID NO:
 5168 / SEQ ID NO: 10114, SEQ ID NO: 5169 / SEQ ID NO: 10115, SEQ ID NO: 5170 / SEQ
 35 ID NO: 10116, SEQ ID NO: 5171 / SEQ ID NO: 10117, SEQ ID NO: 5172 / SEQ ID NO:
 10118, SEQ ID NO: 5173 / SEQ ID NO: 10119, SEQ ID NO: 5174 / SEQ ID NO: 10120, SEQ
 ID NO: 5175 / SEQ ID NO: 10121, SEQ ID NO: 5176 / SEQ ID NO: 10122, SEQ ID NO: 5177
 / SEQ ID NO: 10123, SEQ ID NO: 5178 / SEQ ID NO: 10124, SEQ ID NO: 5179 / SEQ ID
 NO: 10125, SEQ ID NO: 5180 / SEQ ID NO: 10126, SEQ ID NO: 5181 / SEQ ID NO: 10127,
 40 SEQ ID NO: 5182 / SEQ ID NO: 10128, SEQ ID NO: 5183 / SEQ ID NO: 10129, SEQ ID NO:
 5184 / SEQ ID NO: 10130, SEQ ID NO: 5185 / SEQ ID NO: 10131, SEQ ID NO: 5186 / SEQ
 ID NO: 10132, SEQ ID NO: 5187 / SEQ ID NO: 10133, SEQ ID NO: 5188 / SEQ ID NO:
 10134, SEQ ID NO: 5189 / SEQ ID NO: 10135, SEQ ID NO: 5190 / SEQ ID NO: 10136, SEQ
 ID NO: 5191 / SEQ ID NO: 10137, SEQ ID NO: 5192 / SEQ ID NO: 10138, SEQ ID NO: 5193
 45 / SEQ ID NO: 10139, SEQ ID NO: 5194 / SEQ ID NO: 10140, SEQ ID NO: 5195 / SEQ ID
 NO: 10141, SEQ ID NO: 5196 / SEQ ID NO: 10142, SEQ ID NO: 5197 / SEQ ID NO: 10143,
 SEQ ID NO: 5198 / SEQ ID NO: 10144, SEQ ID NO: 5200 / SEQ ID NO: 10145, SEQ ID NO:
 5201 / SEQ ID NO: 10146, SEQ ID NO: 5202 / SEQ ID NO: 10147,
 SEQ ID NO: 5204 / SEQ ID NO: 10148, SEQ ID NO: 5206 / SEQ ID NO: 10149, SEQ ID NO:
 50 5207 / SEQ ID NO: 10150, SEQ ID NO: 5208 / SEQ ID NO: 10151, SEQ ID NO: 5209 / SEQ
 ID NO: 10152, SEQ ID NO: 5211 / SEQ ID NO: 10153, SEQ ID NO: 5212 / SEQ ID NO:
 10154, SEQ ID NO: 5213 / SEQ ID NO: 10155, SEQ ID NO: 5214 / SEQ ID NO: 10156, SEQ
 ID NO: 5215 / SEQ ID NO: 10157, SEQ ID NO: 5216 / SEQ ID NO: 10158, SEQ ID NO: 5217
 55 / SEQ ID NO: 10159, SEQ ID NO: 5218 / SEQ ID NO: 10160, SEQ ID NO: 5219 / SEQ ID

NO: 10161, SEQ ID NO: 5220 / SEQ ID NO: 10162, SEQ ID NO: 5221 / SEQ ID NO: 10163,
 SEQ ID NO: 5222 / SEQ ID NO: 10164, SEQ ID NO: 5223 / SEQ ID NO: 10165, SEQ ID NO:
 5224 / SEQ ID NO: 10166, SEQ ID NO: 5225 / SEQ ID NO: 10167, SEQ ID NO: 5227 / SEQ
 5 ID NO: 10168, SEQ ID NO: 5229 / SEQ ID NO: 10169, SEQ ID NO: 5231 / SEQ ID NO:
 10170, SEQ ID NO: 5232 / SEQ ID NO: 10171, SEQ ID NO: 5234 / SEQ ID NO: 10172, SEQ
 ID NO: 5235 / SEQ ID NO: 10173, SEQ ID NO: 5236 / SEQ ID NO: 10174, SEQ ID NO: 5251
 / SEQ ID NO: 10175, SEQ ID NO: 5252 / SEQ ID NO: 10176, SEQ ID NO: 5253 / SEQ ID
 NO: 10177, SEQ ID NO: 5254 / SEQ ID NO: 10178, SEQ ID NO: 5255 / SEQ ID NO: 10179,
 10 SEQ ID NO: 5256 / SEQ ID NO: 10180, SEQ ID NO: 5257 / SEQ ID NO: 10181, SEQ ID NO:
 5258 / SEQ ID NO: 10182, SEQ ID NO: 5259 / SEQ ID NO: 10183, SEQ ID NO: 5260 / SEQ
 ID NO: 10184, SEQ ID NO: 5261 / SEQ ID NO: 10185, SEQ ID NO: 5262 / SEQ ID NO:
 10186, SEQ ID NO: 5263 / SEQ ID NO: 10187, SEQ ID NO: 5264 / SEQ ID NO: 10188, SEQ
 ID NO: 5265 / SEQ ID NO: 10189, SEQ ID NO: 5266 / SEQ ID NO: 10190, SEQ ID NO: 5267
 15 / SEQ ID NO: 10191, SEQ ID NO: 5268 / SEQ ID NO: 10192, SEQ ID NO: 5269 / SEQ ID
 NO: 10193, SEQ ID NO: 5270 / SEQ ID NO: 10194, SEQ ID NO: 5271 / SEQ ID NO: 10195,
 SEQ ID NO: 5272 / SEQ ID NO: 10196, SEQ ID NO: 5273 / SEQ ID NO: 10197, SEQ ID NO:
 5274 / SEQ ID NO: 10198, SEQ ID NO: 5275 / SEQ ID NO: 10199, SEQ ID NO: 5276 / SEQ
 20 ID NO: 10200, SEQ ID NO: 5277 / SEQ ID NO: 10201, SEQ ID NO: 5278 / SEQ ID NO:
 10202, SEQ ID NO: 5279 / SEQ ID NO: 10203, SEQ ID NO: 5280 / SEQ ID NO: 10204, SEQ
 ID NO: 5281 / SEQ ID NO: 10205, SEQ ID NO: 5282 / SEQ ID NO: 10206, SEQ ID NO: 5283
 / SEQ ID NO: 10207, SEQ ID NO: 5284 / SEQ ID NO: 10208, SEQ ID NO: 5285 / SEQ ID
 NO: 10209, SEQ ID NO: 5286 / SEQ ID NO: 10210, SEQ ID NO: 5287 / SEQ ID NO: 10211,
 25 SEQ ID NO: 5288 / SEQ ID NO: 10212, SEQ ID NO: 5289 / SEQ ID NO: 10213, SEQ ID NO:
 5290 / SEQ ID NO: 10214, SEQ ID NO: 5291 / SEQ ID NO: 10215, SEQ ID NO: 5292 / SEQ
 ID NO: 10216, SEQ ID NO: 5293 / SEQ ID NO: 10217, SEQ ID NO: 5294 / SEQ ID NO:
 10218, SEQ ID NO: 5295 / SEQ ID NO: 10219, SEQ ID NO: 5296 / SEQ ID NO: 10220, SEQ
 ID NO: 5297 / SEQ ID NO: 10221, SEQ ID NO: 5298 / SEQ ID NO: 10222, SEQ ID NO: 5299
 30 / SEQ ID NO: 10223, SEQ ID NO: 5300 / SEQ ID NO: 10224, SEQ ID NO: 5301 / SEQ ID
 NO: 10225, SEQ ID NO: 5302 / SEQ ID NO: 10226, SEQ ID NO: 5303 / SEQ ID NO: 10227,
 SEQ ID NO: 5304 / SEQ ID NO: 10228, SEQ ID NO: 5305 / SEQ ID NO: 10229, SEQ ID NO:
 5306 / SEQ ID NO: 10230, SEQ ID NO: 5307 / SEQ ID NO: 10231, SEQ ID NO: 5308 / SEQ
 ID NO: 10232, SEQ ID NO: 5309 / SEQ ID NO: 10233, SEQ ID NO: 5310 / SEQ ID NO:
 35 10234, SEQ ID NO: 5311 / SEQ ID NO: 10235, SEQ ID NO: 5312 / SEQ ID NO: 10236, SEQ
 ID NO: 5313 / SEQ ID NO: 10237, SEQ ID NO: 5314 / SEQ ID NO: 10238, SEQ ID NO: 5315
 / SEQ ID NO: 10239, SEQ ID NO: 5317 / SEQ ID NO: 10240, SEQ ID NO: 5318 / SEQ ID
 NO: 10241, SEQ ID NO: 5319 / SEQ ID NO: 10242, SEQ ID NO: 5320 / SEQ ID NO: 10243,
 SEQ ID NO: 5321 / SEQ ID NO: 10244, SEQ ID NO: 5322 / SEQ ID NO: 10245, SEQ ID NO:
 40 5323 / SEQ ID NO: 10246, SEQ ID NO: 5324 / SEQ ID NO: 10247,
 SEQ ID NO: 5325 / SEQ ID NO: 10248, SEQ ID NO: 5326 / SEQ ID NO: 10249, SEQ ID NO:
 5327 / SEQ ID NO: 10250, SEQ ID NO: 5328 / SEQ ID NO: 10251, SEQ ID NO: 5329 / SEQ
 ID NO: 10252, SEQ ID NO: 5330 / SEQ ID NO: 10253, SEQ ID NO: 5331 / SEQ ID NO:
 45 10254, SEQ ID NO: 5332 / SEQ ID NO: 10255, SEQ ID NO: 5333 / SEQ ID NO: 10256, SEQ
 ID NO: 5334 / SEQ ID NO: 10257, SEQ ID NO: 5335 / SEQ ID NO: 10258, SEQ ID NO: 5336
 / SEQ ID NO: 10259, SEQ ID NO: 5337 / SEQ ID NO: 10260, SEQ ID NO: 5338 / SEQ ID
 NO: 10261, SEQ ID NO: 5339 / SEQ ID NO: 10262, SEQ ID NO: 5340 / SEQ ID NO: 10263,
 SEQ ID NO: 5341 / SEQ ID NO: 10264, SEQ ID NO: 5342 / SEQ ID NO: 10265, SEQ ID NO:
 50 5343 / SEQ ID NO: 10266, SEQ ID NO: 5344 / SEQ ID NO: 10267, SEQ ID NO: 5345 / SEQ
 ID NO: 10268, SEQ ID NO: 5346 / SEQ ID NO: 10269, SEQ ID NO: 5347 / SEQ ID NO:
 10270, SEQ ID NO: 5348 / SEQ ID NO: 10271, SEQ ID NO: 5349 / SEQ ID NO: 10272, SEQ
 ID NO: 5350 / SEQ ID NO: 10273, SEQ ID NO: 5351 / SEQ ID NO: 10274, SEQ ID NO: 5352
 / SEQ ID NO: 10275, SEQ ID NO: 5353 / SEQ ID NO: 10276, SEQ ID NO: 5354 / SEQ ID
 55 NO: 10277, SEQ ID NO: 5355 / SEQ ID NO: 10278, SEQ ID NO: 5356 / SEQ ID NO: 10279,

5 SEQ ID NO: 5357 / SEQ ID NO: 10280, SEQ ID NO: 5358 / SEQ ID NO: 10281, SEQ ID NO:
 5359 / SEQ ID NO: 10282, SEQ ID NO: 5360 / SEQ ID NO: 10283, SEQ ID NO: 5362 / SEQ
 ID NO: 10284, SEQ ID NO: 5363 / SEQ ID NO: 10285, SEQ ID NO: 5364 / SEQ ID NO:
 10286, SEQ ID NO: 5365 / SEQ ID NO: 10287, SEQ ID NO: 5366 / SEQ ID NO: 10288, SEQ
 ID NO: 5367 / SEQ ID NO: 10289, SEQ ID NO: 5368 / SEQ ID NO: 10290, SEQ ID NO: 5369
 / SEQ ID NO: 10291, SEQ ID NO: 5370 / SEQ ID NO: 10292, SEQ ID NO: 5371 / SEQ ID
 NO: 10293, SEQ ID NO: 5372 / SEQ ID NO: 10294, SEQ ID NO: 5373 / SEQ ID NO: 10295,
 SEQ ID NO: 5374 / SEQ ID NO: 10296, SEQ ID NO: 5375 / SEQ ID NO: 10297, SEQ ID NO:
 10 5376 / SEQ ID NO: 10298, SEQ ID NO: 5377 / SEQ ID NO: 10299, SEQ ID NO: 5378 / SEQ
 ID NO: 10300, SEQ ID NO: 5379 / SEQ ID NO: 10301, SEQ ID NO: 5380 / SEQ ID NO:
 10302, SEQ ID NO: 5381 / SEQ ID NO: 10303, SEQ ID NO: 5382 / SEQ ID NO: 10304, SEQ
 ID NO: 5383 / SEQ ID NO: 10305, SEQ ID NO: 5384 / SEQ ID NO: 10306, SEQ ID NO: 5385
 / SEQ ID NO: 10307, SEQ ID NO: 5386 / SEQ ID NO: 10308, SEQ ID NO: 5387 / SEQ ID
 15 NO: 10309, SEQ ID NO: 5388 / SEQ ID NO: 10310, SEQ ID NO: 5389 / SEQ ID NO: 10311,
 SEQ ID NO: 5390 / SEQ ID NO: 10312, SEQ ID NO: 5391 / SEQ ID NO: 10313, SEQ ID NO:
 5392 / SEQ ID NO: 10314, SEQ ID NO: 5393 / SEQ ID NO: 10315, SEQ ID NO: 5394 / SEQ
 ID NO: 10316, SEQ ID NO: 5395 / SEQ ID NO: 10317, SEQ ID NO: 5396 / SEQ ID NO:
 10318, SEQ ID NO: 5397 / SEQ ID NO: 10319, SEQ ID NO: 5398 / SEQ ID NO: 10320, SEQ
 ID NO: 5399 / SEQ ID NO: 10321, SEQ ID NO: 5400 / SEQ ID NO: 10322, SEQ ID NO: 5401
 / SEQ ID NO: 10323, SEQ ID NO: 5402 / SEQ ID NO: 10324, SEQ ID NO: 5403 / SEQ ID
 NO: 10325, SEQ ID NO: 5404 / SEQ ID NO: 10326, SEQ ID NO: 5405 / SEQ ID NO: 10327,
 SEQ ID NO: 5407 / SEQ ID NO: 10328, SEQ ID NO: 5408 / SEQ ID NO: 10329, SEQ ID NO:
 25 5409 / SEQ ID NO: 10330, SEQ ID NO: 5410 / SEQ ID NO: 10331, SEQ ID NO: 5411 / SEQ
 ID NO: 10332, SEQ ID NO: 5412 / SEQ ID NO: 10333, SEQ ID NO: 5413 / SEQ ID NO:
 10334, SEQ ID NO: 5414 / SEQ ID NO: 10335, SEQ ID NO: 5415 / SEQ ID NO: 10336, SEQ
 ID NO: 5416 / SEQ ID NO: 10337, SEQ ID NO: 5417 / SEQ ID NO: 10338, SEQ ID NO: 5418
 / SEQ ID NO: 10339, SEQ ID NO: 5419 / SEQ ID NO: 10340, SEQ ID NO: 5420 / SEQ ID
 30 NO: 10341, SEQ ID NO: 5421 / SEQ ID NO: 10342, SEQ ID NO: 5422 / SEQ ID NO: 10343,
 SEQ ID NO: 5423 / SEQ ID NO: 10344, SEQ ID NO: 5424 / SEQ ID NO: 10345, SEQ ID NO:
 5425 / SEQ ID NO: 10346, SEQ ID NO: 5426 / SEQ ID NO: 10347,
 SEQ ID NO: 5427 / SEQ ID NO: 10348, SEQ ID NO: 5428 / SEQ ID NO: 10349, SEQ ID NO:
 5429 / SEQ ID NO: 10350, SEQ ID NO: 5430 / SEQ ID NO: 10351, SEQ ID NO: 5431 / SEQ
 35 ID NO: 10352, SEQ ID NO: 5432 / SEQ ID NO: 10353, SEQ ID NO: 5433 / SEQ ID NO:
 10354, SEQ ID NO: 5434 / SEQ ID NO: 10355, SEQ ID NO: 5435 / SEQ ID NO: 10356, SEQ
 ID NO: 5436 / SEQ ID NO: 10357, SEQ ID NO: 5437 / SEQ ID NO: 10358, SEQ ID NO: 5438
 / SEQ ID NO: 10359, SEQ ID NO: 5439 / SEQ ID NO: 10360, SEQ ID NO: 5440 / SEQ ID
 NO: 10361, SEQ ID NO: 5442 / SEQ ID NO: 10362, SEQ ID NO: 5443 / SEQ ID NO: 10363,
 40 SEQ ID NO: 5444 / SEQ ID NO: 10364, SEQ ID NO: 5445 / SEQ ID NO: 10365, SEQ ID NO:
 5446 / SEQ ID NO: 10366, SEQ ID NO: 5447 / SEQ ID NO: 10367, SEQ ID NO: 5448 / SEQ
 ID NO: 10368, SEQ ID NO: 5449 / SEQ ID NO: 10369, SEQ ID NO: 5450 / SEQ ID NO:
 10370, SEQ ID NO: 5451 / SEQ ID NO: 10371, SEQ ID NO: 5452 / SEQ ID NO: 10372, SEQ
 ID NO: 5453 / SEQ ID NO: 10373, SEQ ID NO: 5454 / SEQ ID NO: 10374, SEQ ID NO: 5455
 45 / SEQ ID NO: 10375, SEQ ID NO: 5457 / SEQ ID NO: 10376, SEQ ID NO: 5458 / SEQ ID
 NO: 10377, SEQ ID NO: 5460 / SEQ ID NO: 10378, SEQ ID NO: 5461 / SEQ ID NO: 10379,
 SEQ ID NO: 5462 / SEQ ID NO: 10380, SEQ ID NO: 5463 / SEQ ID NO: 10381, SEQ ID NO:
 5464 / SEQ ID NO: 10382, SEQ ID NO: 5465 / SEQ ID NO: 10383, SEQ ID NO: 5466 / SEQ
 ID NO: 10384, SEQ ID NO: 5467 / SEQ ID NO: 10385, SEQ ID NO: 5468 / SEQ ID NO:
 50 10386, SEQ ID NO: 5469 / SEQ ID NO: 10387, SEQ ID NO: 5470 / SEQ ID NO: 10388, SEQ
 ID NO: 5471 / SEQ ID NO: 10389, SEQ ID NO: 5472 / SEQ ID NO: 10390, SEQ ID NO: 5473
 / SEQ ID NO: 10391, SEQ ID NO: 5474 / SEQ ID NO: 10392, SEQ ID NO: 5475 / SEQ ID
 NO: 10393, SEQ ID NO: 5476 / SEQ ID NO: 10394, SEQ ID NO: 5477 / SEQ ID NO: 10395,
 55 SEQ ID NO: 5478 / SEQ ID NO: 10396, SEQ ID NO: 5479 / SEQ ID NO: 10397, SEQ ID NO:

5
10
15
20
25
30
35
40
45
50
55

NO: 16216, SEQ ID NO: 16163 / SEQ ID NO: 16217, and SEQ ID NO: 16164 / SEQ ID NO: 16218

- 5 4. A polynucleotide which can be synthesized with the primer set of claim 2 or 3.
5. A polynucleotide comprising a coding region in the polynucleotide of claim 4.
6. A substantially pure protein encoded by polynucleotide of claim 4.
- 10 7. A partial peptide of the protein of claim 6.
8. An isolated polynucleotide selected from the group consisting of
- 15 (a) a polynucleotide comprising a coding region of the nucleotide sequence set forth in any one of the following
 SEQ ID NOS:

20

25

30

35

40

45

50

55

SEQ ID NO: 10468, SEQ ID NO: 10470, SEQ ID NO: 10471, SEQ ID NO: 10472, SEQ ID
NO: 10473, SEQ ID NO: 10475, SEQ ID NO: 10477, SEQ ID NO: 10479, SEQ ID NO: 10481,
SEQ ID NO: 10483, SEQ ID NO: 10485, SEQ ID NO: 10487, SEQ ID NO: 10488, SEQ ID
5 NO: 10489, SEQ ID NO: 10491, SEQ ID NO: 10493, SEQ ID NO: 10495, SEQ ID NO: 10496,
SEQ ID NO: 10497, SEQ ID NO: 10498, SEQ ID NO: 10500, SEQ ID NO: 10502, SEQ ID
NO: 10503, SEQ ID NO: 10504, SEQ ID NO: 10505, SEQ ID NO: 10507, SEQ ID NO: 10508,
SEQ ID NO: 10510, SEQ ID NO: 10511, SEQ ID NO: 10512, SEQ ID NO: 10514, SEQ ID
10 NO: 10516, SEQ ID NO: 10517, SEQ ID NO: 10519, SEQ ID NO: 10521, SEQ ID NO: 10523,
SEQ ID NO: 10524, SEQ ID NO: 10526, SEQ ID NO: 10528, SEQ ID NO: 10529, SEQ ID
NO: 10530, SEQ ID NO: 10532, SEQ ID NO: 10534, SEQ ID NO: 10535, SEQ ID NO: 10537,
SEQ ID NO: 10539, SEQ ID NO: 10540, SEQ ID NO: 10542, SEQ ID NO: 10543, SEQ ID
NO: 10545, SEQ ID NO: 10546, SEQ ID NO: 10548, SEQ ID NO: 10550, SEQ ID NO: 10551,
15 SEQ ID NO: 10553, SEQ ID NO: 10555, SEQ ID NO: 10556, SEQ ID NO: 10557, SEQ ID
NO: 10558, SEQ ID NO: 10560, SEQ ID NO: 10562, SEQ ID NO: 10564, SEQ ID NO: 10566,
SEQ ID NO: 10567, SEQ ID NO: 10569, SEQ ID NO: 10571, SEQ ID NO: 10573, SEQ ID
NO: 10574, SEQ ID NO: 10576, SEQ ID NO: 10578, SEQ ID NO: 10580, SEQ ID NO: 10582,
20 SEQ ID NO: 10584, SEQ ID NO: 10586, SEQ ID NO: 10588, SEQ ID NO: 10590, SEQ ID
NO: 10592, SEQ ID NO: 10594, SEQ ID NO: 10596, SEQ ID NO: 10597, SEQ ID NO: 10599,
SEQ ID NO: 10601, SEQ ID NO: 10603, SEQ ID NO: 10604, SEQ ID NO: 10606, SEQ ID
NO: 10607, SEQ ID NO: 10609, SEQ ID NO: 10611, SEQ ID NO: 10613, SEQ ID NO: 10614,
SEQ ID NO: 10615, SEQ ID NO: 10616, SEQ ID NO: 10618, SEQ ID NO: 10619, SEQ ID
25 NO: 10620, SEQ ID NO: 10622, SEQ ID NO: 10624, SEQ ID NO: 10625, SEQ ID NO: 10627,
SEQ ID NO: 10629,
SEQ ID NO: 10630, SEQ ID NO: 10632, SEQ ID NO: 10633, SEQ ID NO: 10635, SEQ ID
NO: 10637, SEQ ID NO: 10639, SEQ ID NO: 10641, SEQ ID NO: 10642, SEQ ID NO: 10644,
30 SEQ ID NO: 10646, SEQ ID NO: 10647, SEQ ID NO: 10648, SEQ ID NO: 10649, SEQ ID
NO: 10650, SEQ ID NO: 10652, SEQ ID NO: 10654, SEQ ID NO: 10655, SEQ ID NO: 10656,
SEQ ID NO: 10658, SEQ ID NO: 10659, SEQ ID NO: 10661, SEQ ID NO: 10663, SEQ ID
NO: 10665, SEQ ID NO: 10667, SEQ ID NO: 10669, SEQ ID NO: 10670, SEQ ID NO: 10671;
SEQ ID NO: 10673, SEQ ID NO: 10674, SEQ ID NO: 10676, SEQ ID NO: 10678, SEQ ID
35 NO: 10680, SEQ ID NO: 10682, SEQ ID NO: 10683, SEQ ID NO: 10685, SEQ ID NO: 10687,
SEQ ID NO: 10689, SEQ ID NO: 10691, SEQ ID NO: 10693, SEQ ID NO: 10695, SEQ ID
NO: 10696, SEQ ID NO: 10698, SEQ ID NO: 10700, SEQ ID NO: 10702, SEQ ID NO: 10704,
SEQ ID NO: 10706, SEQ ID NO: 10708, SEQ ID NO: 10710, SEQ ID NO: 10711, SEQ ID
40 NO: 10713, SEQ ID NO: 10715, SEQ ID NO: 10717, SEQ ID NO: 10718, SEQ ID NO: 10720,
SEQ ID NO: 10722, SEQ ID NO: 10723, SEQ ID NO: 10725, SEQ ID NO: 10727, SEQ ID
NO: 10728, SEQ ID NO: 10730, SEQ ID NO: 10732, SEQ ID NO: 10734, SEQ ID NO: 10736,
SEQ ID NO: 10738, SEQ ID NO: 10740, SEQ ID NO: 10742, SEQ ID NO: 10744, SEQ ID
NO: 10746, SEQ ID NO: 10748, SEQ ID NO: 10750, SEQ ID NO: 10752, SEQ ID NO: 10753,
45 SEQ ID NO: 10754, SEQ ID NO: 10756, SEQ ID NO: 10757, SEQ ID NO: 10758, SEQ ID
NO: 10760, SEQ ID NO: 10761, SEQ ID NO: 10763, SEQ ID NO: 10765, SEQ ID NO: 10767,
SEQ ID NO: 10769, SEQ ID NO: 10771, SEQ ID NO: 10773, SEQ ID NO: 10774, SEQ ID
NO: 10776, SEQ ID NO: 10778, SEQ ID NO: 10780, SEQ ID NO: 10781, SEQ ID NO: 10783,

50

55

[illegible]

[illegible]

5
10
15
20
25
30
35
40
45
50
55

10

15

20

25

30

35

41

45

54

5.

5
10
15
20
25
30
35
40
45
50
55

5
10
15
20
25
30
35
40
45
50
55

[illegible]

5
10
15
20
25
30
35
40
45
50
55

[illegible]

10

15

20

24

30

34

4

5

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

5
10
15
20
25
30
35
40
45
50
55

[illegible]

[illegible]

SEQ ID NO: 18168, SEQ ID NO: 18170, SEQ ID NO: 18172, SEQ ID NO: 18174, SEQ ID
 NO: 18176, SEQ ID NO: 18178, SEQ ID NO: 18180, SEQ ID NO: 18182, SEQ ID NO: 18184,
 SEQ ID NO: 18186,
 5 SEQ ID NO: 18188, SEQ ID NO: 18190, SEQ ID NO: 18192, SEQ ID NO: 18194, SEQ ID
 NO: 18196, SEQ ID NO: 18198, SEQ ID NO: 18200, SEQ ID NO: 18201, SEQ ID NO: 18203,
 SEQ ID NO: 18205, SEQ ID NO: 18207, SEQ ID NO: 18209, SEQ ID NO: 18210, SEQ ID
 NO: 18212, SEQ ID NO: 18214, SEQ ID NO: 18216, SEQ ID NO: 18218, SEQ ID NO: 18220,
 SEQ ID NO: 18222, SEQ ID NO: 18224, SEQ ID NO: 18226, SEQ ID NO: 18227, SEQ ID
 10 NO: 18229, SEQ ID NO: 18231, SEQ ID NO: 18233, SEQ ID NO: 18235, SEQ ID NO: 18236,
 SEQ ID NO: 18238, SEQ ID NO: 18240, SEQ ID NO: 18242, SEQ ID NO: 18243, SEQ ID
 NO: 18245, SEQ ID NO: 18247, SEQ ID NO: 18249, SEQ ID NO: 18251, SEQ ID NO: 18253,
 SEQ ID NO: 18254, SEQ ID NO: 18256, SEQ ID NO: 18258, SEQ ID NO: 18259, SEQ ID
 NO: 18260, SEQ ID NO: 18261, SEQ ID NO: 18263, SEQ ID NO: 18264, SEQ ID NO: 18265,
 15 SEQ ID NO: 18266, SEQ ID NO: 18268, SEQ ID NO: 18270, SEQ ID NO: 18272, SEQ ID
 NO: 18274, SEQ ID NO: 18276, SEQ ID NO: 18278, SEQ ID NO: 18280, SEQ ID NO: 18282,
 SEQ ID NO: 18284, SEQ ID NO: 18286, SEQ ID NO: 18288, SEQ ID NO: 18289, SEQ ID
 NO: 18291, SEQ ID NO: 18293, SEQ ID NO: 18295, SEQ ID NO: 18297, SEQ ID NO: 18298,
 SEQ ID NO: 18300, SEQ ID NO: 18302, SEQ ID NO: 18303, SEQ ID NO: 18305, SEQ ID
 20 NO: 18307, SEQ ID NO: 18308, SEQ ID NO: 18309, SEQ ID NO: 18310, SEQ ID NO: 18312,
 SEQ ID NO: 18314, SEQ ID NO: 18316, SEQ ID NO: 18318, SEQ ID NO: 18320, SEQ ID
 NO: 18321, SEQ ID NO: 18323, SEQ ID NO: 18325, SEQ ID NO: 18327, SEQ ID NO: 18329,
 SEQ ID NO: 18331, SEQ ID NO: 18332, SEQ ID NO: 18334, SEQ ID NO: 18335, SEQ ID
 NO: 18337, SEQ ID NO: 18339, SEQ ID NO: 18341, SEQ ID NO: 18343, SEQ ID NO: 18345,
 25 SEQ ID NO: 18347, SEQ ID NO: 18349, SEQ ID NO: 18351, SEQ ID NO: 18353, SEQ ID
 NO: 18355, SEQ ID NO: 18357, SEQ ID NO: 18358, SEQ ID NO: 18360, SEQ ID NO: 18362,
 SEQ ID NO: 18364,
 SEQ ID NO: 18366, SEQ ID NO: 18368, SEQ ID NO: 18370, SEQ ID NO: 18372
 30 SEQ ID NO: 18374, SEQ ID NO: 18375, SEQ ID NO: 18377, SEQ ID NO: 18378, SEQ ID
 NO: 18379, SEQ ID NO: 18381, SEQ ID NO: 18383, SEQ ID NO: 18385, SEQ ID NO: 18387,
 SEQ ID NO: 18389, SEQ ID NO: 18390, SEQ ID NO: 18392, SEQ ID NO: 18394, SEQ ID
 NO: 18395, SEQ ID NO: 18397, SEQ ID NO: 18398, SEQ ID NO: 18399, SEQ ID NO: 18401,
 SEQ ID NO: 18402, SEQ ID NO: 18404, SEQ ID NO: 18406, SEQ ID NO: 18408, SEQ ID
 35 NO: 18410, SEQ ID NO: 18412, SEQ ID NO: 18413, SEQ ID NO: 18414, SEQ ID NO: 18416,
 SEQ ID NO: 18418, SEQ ID NO: 18420, SEQ ID NO: 18421, SEQ ID NO: 18422, SEQ ID
 NO: 18424, SEQ ID NO: 18426, SEQ ID NO: 18427, SEQ ID NO: 18428, SEQ ID NO: 18430,
 SEQ ID NO: 18432, SEQ ID NO: 18433, SEQ ID NO: 18435, SEQ ID NO: 18437, SEQ ID
 NO: 18439, SEQ ID NO: 18441, SEQ ID NO: 18443, SEQ ID NO: 18444, SEQ ID NO: 18446,
 40 SEQ ID NO: 18447, SEQ ID NO: 18449, SEQ ID NO: 18451, SEQ ID NO: 18453, SEQ ID
 NO: 18454, SEQ ID NO: 18456, SEQ ID NO: 18458, SEQ ID NO: 18460, SEQ ID NO: 18462,
 SEQ ID NO: 18464, SEQ ID NO: 18465, SEQ ID NO: 18467, SEQ ID NO: 18468, SEQ ID
 NO: 18470, SEQ ID NO: 18472, SEQ ID NO: 18474, SEQ ID NO: 18476, SEQ ID NO: 18478,
 SEQ ID NO: 18480, SEQ ID NO: 18482, SEQ ID NO: 18484, SEQ ID NO: 18486, SEQ ID
 45 NO: 18488, SEQ ID NO: 18489, SEQ ID NO: 18491, SEQ ID NO: 18493, SEQ ID NO: 18495,
 SEQ ID NO: 18496, SEQ ID NO: 18497, SEQ ID NO: 18499, SEQ ID NO: 18500, SEQ ID
 NO: 18501, SEQ ID NO: 18502, SEQ ID NO: 18503, SEQ ID NO: 18504, SEQ ID NO: 18505,
 SEQ ID NO: 18507, SEQ ID NO: 18509, SEQ ID NO: 18511, SEQ ID NO: 18513, SEQ ID
 NO: 18515, SEQ ID NO: 18517, SEQ ID NO: 18519, SEQ ID NO: 18521, SEQ ID NO: 18523,
 50 SEQ ID NO: 18525, SEQ ID NO: 18527, SEQ ID NO: 18528, SEQ ID NO: 18530, SEQ ID
 NO: 18531, SEQ ID NO: 18533, SEQ ID NO: 18534, SEQ ID NO: 18535, SEQ ID NO: 18537,
 SEQ ID NO: 18539,
 SEQ ID NO: 18540, SEQ ID NO: 18542, SEQ ID NO: 18543, SEQ ID NO: 18544, SEQ ID
 NO: 18545, SEQ ID NO: 18547, SEQ ID NO: 18548, SEQ ID NO: 18549, SEQ ID NO: 18551,
 55

[illegible]

SEQ ID NO: 18938, SEQ ID NO: 18940, SEQ ID NO: 18941, SEQ ID NO: 18943, SEQ ID
 NO: 18944, SEQ ID NO: 18946, SEQ ID NO: 18947, SEQ ID NO: 18949, SEQ ID NO: 18951,
 SEQ ID NO: 18953, SEQ ID NO: 18955, SEQ ID NO: 18956, SEQ ID NO: 18957, SEQ ID
 5 NO: 18958, SEQ ID NO: 18959, SEQ ID NO: 18960, SEQ ID NO: 18962, SEQ ID NO: 18964,
 SEQ ID NO: 18966, SEQ ID NO: 18968, SEQ ID NO: 18969, SEQ ID NO: 18970, SEQ ID
 NO: 18972, SEQ ID NO: 18973, SEQ ID NO: 18975, SEQ ID NO: 18976, SEQ ID NO: 18978,
 SEQ ID NO: 18980,
 10 SEQ ID NO: 18981, SEQ ID NO: 18982, SEQ ID NO: 18983, SEQ ID NO: 18984, SEQ ID
 NO: 18985, SEQ ID NO: 18986, SEQ ID NO: 18987, SEQ ID NO: 18988, SEQ ID NO: 18989,
 SEQ ID NO: 18990, SEQ ID NO: 18992, SEQ ID NO: 18993, SEQ ID NO: 18995, SEQ ID
 NO: 18997, SEQ ID NO: 18998, SEQ ID NO: 18999, SEQ ID NO: 19000, SEQ ID NO: 19001,
 15 SEQ ID NO: 19002, SEQ ID NO: 19004, SEQ ID NO: 19006
 SEQ ID NO: 19007, SEQ ID NO: 19009, SEQ ID NO: 19011, SEQ ID NO: 19012, SEQ ID
 NO: 19013, SEQ ID NO: 19014, SEQ ID NO: 19016, SEQ ID NO: 19018, SEQ ID NO: 19020,
 SEQ ID NO: 19022, SEQ ID NO: 19024, and SEQ ID NO: 19025

20 (b) a polynucleotide comprising a nucleotide sequence encoding a protein comprising the amino acid sequence
 set forth in any one of the following SEQ ID NOs:

25

30

35

40

45

50

55

5 SEQ ID NO:10469, SEQ ID NO:10474, SEQ ID NO:10476, SEQ ID NO:10478, SEQ ID
NO:10480, SEQ ID NO:10482, SEQ ID NO:10484, SEQ ID NO:10486, SEQ ID NO:10490,
SEQ ID NO:10492, SEQ ID NO:10494, SEQ ID NO:10499, SEQ ID NO:10501, SEQ ID
10 NO:10506, SEQ ID NO:10509, SEQ ID NO:10513, SEQ ID NO:10515, SEQ ID NO:10518,
SEQ ID NO:10520, SEQ ID NO:10522, SEQ ID NO:10525, SEQ ID NO:10527, SEQ ID
NO:10531, SEQ ID NO:10533, SEQ ID NO:10536, SEQ ID NO:10538, SEQ ID NO:10541,
SEQ ID NO:10544, SEQ ID NO:10547, SEQ ID NO:10549, SEQ ID NO:10552, SEQ ID
15 NO:10554, SEQ ID NO:10559, SEQ ID NO:10561, SEQ ID NO:10563, SEQ ID NO:10565,
SEQ ID NO:10568, SEQ ID NO:10570, SEQ ID NO:10572, SEQ ID NO:10575, SEQ ID
NO:10577, SEQ ID NO:10579, SEQ ID NO:10581, SEQ ID NO:10583, SEQ ID NO:10585,
SEQ ID NO:10587, SEQ ID NO:10589, SEQ ID NO:10591, SEQ ID NO:10593, SEQ ID
20 NO:10595, SEQ ID NO:10598, SEQ ID NO:10600, SEQ ID NO:10602, SEQ ID NO:10605,
SEQ ID NO:10608, SEQ ID NO:10610, SEQ ID NO:10612, SEQ ID NO:10617, SEQ ID
NO:10621, SEQ ID NO:10623, SEQ ID NO:10626, SEQ ID NO:10628, SEQ ID NO:10631,
SEQ ID NO:10634, SEQ ID NO:10636, SEQ ID NO:10638, SEQ ID NO:10640, SEQ ID
25 NO:10643, SEQ ID NO:10645, SEQ ID NO:10651, SEQ ID NO:10653, SEQ ID NO:10657,
SEQ ID NO:10660, SEQ ID NO:10662, SEQ ID NO:10664, SEQ ID NO:10666, SEQ ID
NO:10668, SEQ ID NO:10672, SEQ ID NO:10675, SEQ ID NO:10677, SEQ ID NO:10679,
SEQ ID NO:10681, SEQ ID NO:10684, SEQ ID NO:10686, SEQ ID NO:10688, SEQ ID
30 NO:10690, SEQ ID NO:10692, SEQ ID NO:10694, SEQ ID NO:10697, SEQ ID NO:10699,
SEQ ID NO:10701, SEQ ID NO:10703, SEQ ID NO:10705, SEQ ID NO:10707, SEQ ID
25 NO:10709, SEQ ID NO:10712, SEQ ID NO:10714, SEQ ID NO:10716, SEQ ID NO:10719,
SEQ ID NO:10721,
SEQ ID NO:10724, SEQ ID NO:10726, SEQ ID NO:10729, SEQ ID NO:10731, SEQ ID
30 NO:10733, SEQ ID NO:10735, SEQ ID NO:10737, SEQ ID NO:10739, SEQ ID NO:10741,
SEQ ID NO:10743, SEQ ID NO:10745, SEQ ID NO:10747, SEQ ID NO:10749, SEQ ID
NO:10751, SEQ ID NO:10755, SEQ ID NO:10759, SEQ ID NO:10762, SEQ ID NO:10764,
SEQ ID NO:10766, SEQ ID NO:10768, SEQ ID NO:10770, SEQ ID NO:10772, SEQ ID
35 NO:10775, SEQ ID NO:10777, SEQ ID NO:10779, SEQ ID NO:10782, SEQ ID NO:10784,
SEQ ID NO:10787, SEQ ID NO:10789, SEQ ID NO:10791, SEQ ID NO:10794, SEQ ID
NO:10796, SEQ ID NO:10798, SEQ ID NO:10801, SEQ ID NO:10803, SEQ ID NO:10806,
SEQ ID NO:10809, SEQ ID NO:10811, SEQ ID NO:10813, SEQ ID NO:10816, SEQ ID
40 NO:10819, SEQ ID NO:10821, SEQ ID NO:10823, SEQ ID NO:10825, SEQ ID NO:10827,
SEQ ID NO:10829, SEQ ID NO:10833, SEQ ID NO:10835, SEQ ID NO:10837, SEQ ID
NO:10839, SEQ ID NO:10843, SEQ ID NO:10846, SEQ ID NO:10848, SEQ ID NO:10851,

SEQ ID NO:10853, SEQ ID NO:10855, SEQ ID NO:10857, SEQ ID NO:10860, SEQ ID
 NO:10863, SEQ ID NO:10865, SEQ ID NO:10867, SEQ ID NO:10869, SEQ ID NO:10871,
 SEQ ID NO:10874, SEQ ID NO:10877, SEQ ID NO:10880, SEQ ID NO:10882, SEQ ID
 5 NO:10884, SEQ ID NO:10887, SEQ ID NO:10892, SEQ ID NO:10894, SEQ ID NO:10896,
 SEQ ID NO:10899, SEQ ID NO:10903, SEQ ID NO:10905, SEQ ID NO:10907, SEQ ID
 NO:10911, SEQ ID NO:10917, SEQ ID NO:10919, SEQ ID NO:10921, SEQ ID NO:10923,
 SEQ ID NO:10926, SEQ ID NO:10930, SEQ ID NO:10932, SEQ ID NO:10934, SEQ ID
 NO:10936, SEQ ID NO:10938, SEQ ID NO:10941, SEQ ID NO:10947, SEQ ID NO:10949,
 10 SEQ ID NO:10951, SEQ ID NO:10953, SEQ ID NO:10955, SEQ ID NO:10961, SEQ ID
 NO:10963, SEQ ID NO:10965, SEQ ID NO:10970, SEQ ID NO:10972, SEQ ID NO:10974,
 SEQ ID NO:10976,
 SEQ ID NO:10979, SEQ ID NO:10981, SEQ ID NO:10985, SEQ ID NO:10987, SEQ ID
 NO:10989, SEQ ID NO:10991, SEQ ID NO:10993, SEQ ID NO:10995, SEQ ID NO:10997,
 15 SEQ ID NO:10999, SEQ ID NO:11002, SEQ ID NO:11004, SEQ ID NO:11008, SEQ ID
 NO:11010, SEQ ID NO:11013, SEQ ID NO:11015, SEQ ID NO:11017, SEQ ID NO:11020,
 SEQ ID NO:11022, SEQ ID NO:11024, SEQ ID NO:11026, SEQ ID NO:11028, SEQ ID
 NO:11031, SEQ ID NO:11033, SEQ ID NO:11037, SEQ ID NO:11039, SEQ ID NO:11041,
 SEQ ID NO:11043, SEQ ID NO:11045, SEQ ID NO:11047, SEQ ID NO:11049, SEQ ID
 20 NO:11051, SEQ ID NO:11053, SEQ ID NO:11055, SEQ ID NO:11057, SEQ ID NO:11059,
 SEQ ID NO:11061, SEQ ID NO:11063, SEQ ID NO:11065, SEQ ID NO:11067, SEQ ID
 NO:11069, SEQ ID NO:11071, SEQ ID NO:11073, SEQ ID NO:11075, SEQ ID NO:11077,
 SEQ ID NO:11079, SEQ ID NO:11081, SEQ ID NO:11083, SEQ ID NO:11085, SEQ ID
 NO:11087, SEQ ID NO:11089, SEQ ID NO:11091, SEQ ID NO:11094, SEQ ID NO:11096,
 25 SEQ ID NO:11098, SEQ ID NO:11100, SEQ ID NO:11102, SEQ ID NO:11104, SEQ ID
 NO:11106, SEQ ID NO:11109, SEQ ID NO:11111, SEQ ID NO:11113, SEQ ID NO:11115,
 SEQ ID NO:11117, SEQ ID NO:11119, SEQ ID NO:11121, SEQ ID NO:11124, SEQ ID
 NO:11126, SEQ ID NO:11128, SEQ ID NO:11130, SEQ ID NO:11132, SEQ ID NO:11134,
 SEQ ID NO:11136, SEQ ID NO:11138, SEQ ID NO:11140, SEQ ID NO:11142, SEQ ID
 30 NO:11144, SEQ ID NO:11146, SEQ ID NO:11149, SEQ ID NO:11151, SEQ ID NO:11153,
 SEQ ID NO:11155, SEQ ID NO:11157, SEQ ID NO:11159, SEQ ID NO:11161, SEQ ID
 NO:11163, SEQ ID NO:11166, SEQ ID NO:11169, SEQ ID NO:11171, SEQ ID NO:11173,
 SEQ ID NO:11175, SEQ ID NO:11177, SEQ ID NO:11180, SEQ ID NO:11182, SEQ ID
 NO:11184, SEQ ID NO:11186, SEQ ID NO:11188, SEQ ID NO:11190, SEQ ID NO:11192,
 35 SEQ ID NO:11194,
 SEQ ID NO:11196, SEQ ID NO:11198, SEQ ID NO:11200, SEQ ID NO:11202, SEQ ID
 NO:11204, SEQ ID NO:11206, SEQ ID NO:11208, SEQ ID NO:11210, SEQ ID NO:11212,
 SEQ ID NO:11214, SEQ ID NO:11216, SEQ ID NO:11218, SEQ ID NO:11220, SEQ ID
 40 NO:11222, SEQ ID NO:11224, SEQ ID NO:11226, SEQ ID NO:11228, SEQ ID NO:11230,
 SEQ ID NO:11232, SEQ ID NO:11234, SEQ ID NO:11236, SEQ ID NO:11238, SEQ ID
 NO:11240, SEQ ID NO:11242, SEQ ID NO:11245, SEQ ID NO:11247, SEQ ID NO:11249,
 SEQ ID NO:11251, SEQ ID NO:11254, SEQ ID NO:11256, SEQ ID NO:11258, SEQ ID
 NO:11260, SEQ ID NO:11262, SEQ ID NO:11264, SEQ ID NO:11266, SEQ ID NO:11268,
 45 SEQ ID NO:11270, SEQ ID NO:11272, SEQ ID NO:11274, SEQ ID NO:11276, SEQ ID
 NO:11278, SEQ ID NO:11280, SEQ ID NO:11282, SEQ ID NO:11284, SEQ ID NO:11286,
 SEQ ID NO:11288, SEQ ID NO:11290, SEQ ID NO:11292, SEQ ID NO:11294, SEQ ID
 NO:11296, SEQ ID NO:11298, SEQ ID NO:11300, SEQ ID NO:11302, SEQ ID NO:11305,
 SEQ ID NO:11307, SEQ ID NO:11309, SEQ ID NO:11311, SEQ ID NO:11313, SEQ ID
 50 NO:11315, SEQ ID NO:11317, SEQ ID NO:11320, SEQ ID NO:11322, SEQ ID NO:11324,
 SEQ ID NO:11326, SEQ ID NO:11328, SEQ ID NO:11330, SEQ ID NO:11332, SEQ ID
 NO:11334, SEQ ID NO:11336, SEQ ID NO:11338, SEQ ID NO:11340, SEQ ID NO:11342,
 SEQ ID NO:11344, SEQ ID NO:11346, SEQ ID NO:11348, SEQ ID NO:11350, SEQ ID
 NO:11353, SEQ ID NO:11355, SEQ ID NO:11357, SEQ ID NO:11359, SEQ ID NO:11361,
 55

5
10
15
20
25
30
35
40
45
50
55

[illegible]

SEQ ID NO:12312, SEQ ID NO:12314, SEQ ID NO:12316, SEQ ID NO:12318, SEQ ID
 NO:12320, SEQ ID NO:12322, SEQ ID NO:12324, SEQ ID NO:12326, SEQ ID NO:12328,
 SEQ ID NO:12330, SEQ ID NO:12332, SEQ ID NO:12334, SEQ ID NO:12336, SEQ ID
 NO:12338, SEQ ID NO:12340, SEQ ID NO:12342, SEQ ID NO:12344, SEQ ID NO:12346,
 SEQ ID NO:12348, SEQ ID NO:12350, SEQ ID NO:12352, SEQ ID NO:12355, SEQ ID
 NO:12357, SEQ ID NO:12359, SEQ ID NO:12361, SEQ ID NO:12363, SEQ ID NO:12365,
 SEQ ID NO:12367, SEQ ID NO:12369, SEQ ID NO:12371, SEQ ID NO:12373, SEQ ID
 NO:12375, SEQ ID NO:12377, SEQ ID NO:12379, SEQ ID NO:12381, SEQ ID NO:12383,
 SEQ ID NO:12385, SEQ ID NO:12387, SEQ ID NO:12389, SEQ ID NO:12391, SEQ ID
 NO:12393, SEQ ID NO:12395, SEQ ID NO:12397, SEQ ID NO:12399, SEQ ID NO:12401,
 SEQ ID NO:12404, SEQ ID NO:12406, SEQ ID NO:12408, SEQ ID NO:12411, SEQ ID
 NO:12413, SEQ ID NO:12415, SEQ ID NO:12418, SEQ ID NO:12420, SEQ ID NO:12422,
 SEQ ID NO:12424, SEQ ID NO:12426, SEQ ID NO:12428, SEQ ID NO:12430, SEQ ID
 NO:12432, SEQ ID NO:12434, SEQ ID NO:12437, SEQ ID NO:12439, SEQ ID NO:12441,
 SEQ ID NO:12443, SEQ ID NO:12445, SEQ ID NO:12447, SEQ ID NO:12449, SEQ ID
 NO:12451, SEQ ID NO:12453, SEQ ID NO:12455, SEQ ID NO:12457, SEQ ID NO:12459,
 SEQ ID NO:12462,
 SEQ ID NO:12464, SEQ ID NO:12466, SEQ ID NO:12468, SEQ ID NO:12470, SEQ ID
 NO:12472, SEQ ID NO:12474, SEQ ID NO:12476, SEQ ID NO:12478, SEQ ID NO:12480,
 SEQ ID NO:12484, SEQ ID NO:12487, SEQ ID NO:12489, SEQ ID NO:12492, SEQ ID
 NO:12494, SEQ ID NO:12497, SEQ ID NO:12499, SEQ ID NO:12501, SEQ ID NO:12504,
 SEQ ID NO:12506, SEQ ID NO:12508, SEQ ID NO:12510, SEQ ID NO:12512, SEQ ID
 NO:12515, SEQ ID NO:12517, SEQ ID NO:12519, SEQ ID NO:12521, SEQ ID NO:12523,
 SEQ ID NO:12525, SEQ ID NO:12527, SEQ ID NO:12530, SEQ ID NO:12532, SEQ ID
 NO:12536, SEQ ID NO:12538, SEQ ID NO:12540, SEQ ID NO:12542, SEQ ID NO:12544,
 SEQ ID NO:12547, SEQ ID NO:12549, SEQ ID NO:12551, SEQ ID NO:12553, SEQ ID
 NO:12558, SEQ ID NO:12560, SEQ ID NO:12562, SEQ ID NO:12564, SEQ ID NO:12566,
 SEQ ID NO:12568, SEQ ID NO:12570, SEQ ID NO:12573, SEQ ID NO:12575, SEQ ID
 NO:12577, SEQ ID NO:12579, SEQ ID NO:12582, SEQ ID NO:12584, SEQ ID NO:12586,
 SEQ ID NO:12588, SEQ ID NO:12590, SEQ ID NO:12594, SEQ ID NO:12596, SEQ ID
 NO:12598, SEQ ID NO:12600, SEQ ID NO:12602, SEQ ID NO:12604, SEQ ID NO:12606,
 SEQ ID NO:12610, SEQ ID NO:12612, SEQ ID NO:12614, SEQ ID NO:12616, SEQ ID
 NO:12618, SEQ ID NO:12620, SEQ ID NO:12624, SEQ ID NO:12626, SEQ ID NO:12629,
 SEQ ID NO:12631, SEQ ID NO:12633, SEQ ID NO:12635, SEQ ID NO:12637, SEQ ID
 NO:12639, SEQ ID NO:12641, SEQ ID NO:12643, SEQ ID NO:12645, SEQ ID NO:12647,
 SEQ ID NO:12650, SEQ ID NO:12652, SEQ ID NO:12654, SEQ ID NO:12656, SEQ ID
 NO:12658, SEQ ID NO:12661, SEQ ID NO:12663, SEQ ID NO:12666, SEQ ID NO:12668,
 SEQ ID NO:12670, SEQ ID NO:12672, SEQ ID NO:12674, SEQ ID NO:12676, SEQ ID
 NO:12678, SEQ ID NO:12680, SEQ ID NO:12682, SEQ ID NO:12684, SEQ ID NO:12686,
 SEQ ID NO:12688,
 SEQ ID NO:12690, SEQ ID NO:12692, SEQ ID NO:12694, SEQ ID NO:12696, SEQ ID
 NO:12699, SEQ ID NO:12701, SEQ ID NO:12704, SEQ ID NO:12706, SEQ ID NO:12708,
 SEQ ID NO:12712, SEQ ID NO:12714, SEQ ID NO:12716, SEQ ID NO:12718, SEQ ID
 NO:12720, SEQ ID NO:12722, SEQ ID NO:12724, SEQ ID NO:12727, SEQ ID NO:12729,
 SEQ ID NO:12732, SEQ ID NO:12734, SEQ ID NO:12736, SEQ ID NO:12738, SEQ ID
 NO:12740, SEQ ID NO:12742, SEQ ID NO:12744, SEQ ID NO:12746, SEQ ID NO:12748,
 SEQ ID NO:12750, SEQ ID NO:12752, SEQ ID NO:12755, SEQ ID NO:12757, SEQ ID
 NO:12759, SEQ ID NO:12761, SEQ ID NO:12766, SEQ ID NO:12768, SEQ ID NO:12772,
 SEQ ID NO:12774, SEQ ID NO:12777, SEQ ID NO:12779, SEQ ID NO:12782, SEQ ID
 NO:12784, SEQ ID NO:12786, SEQ ID NO:12788, SEQ ID NO:12790, SEQ ID NO:12792,
 SEQ ID NO:12794, SEQ ID NO:12796, SEQ ID NO:12802, SEQ ID NO:12804, SEQ ID
 NO:12807, SEQ ID NO:12809, SEQ ID NO:12811, SEQ ID NO:12814, SEQ ID NO:12816,

SEQ ID NO:12818, SEQ ID NO:12820, SEQ ID NO:12822, SEQ ID NO:12824, SEQ ID
 NO:12826, SEQ ID NO:12828, SEQ ID NO:12830, SEQ ID NO:12832, SEQ ID NO:12834,
 SEQ ID NO:12836, SEQ ID NO:12838, SEQ ID NO:12840, SEQ ID NO:12842, SEQ ID
 5 NO:12844, SEQ ID NO:12846, SEQ ID NO:12849, SEQ ID NO:12851, SEQ ID NO:12853,
 SEQ ID NO:12855, SEQ ID NO:12857, SEQ ID NO:12859, SEQ ID NO:12861, SEQ ID
 NO:12863, SEQ ID NO:12865, SEQ ID NO:12869, SEQ ID NO:12872, SEQ ID NO:12875,
 SEQ ID NO:12877, SEQ ID NO:12879, SEQ ID NO:12882, SEQ ID NO:12884, SEQ ID
 10 NO:12886, SEQ ID NO:12888, SEQ ID NO:12890, SEQ ID NO:12893, SEQ ID NO:12895,
 SEQ ID NO:12898, SEQ ID NO:12900, SEQ ID NO:12902, SEQ ID NO:12904, SEQ ID
 NO:12906, SEQ ID NO:12908, SEQ ID NO:12910, SEQ ID NO:12912, SEQ ID NO:12914,
 SEQ ID NO:12917,
 SEQ ID NO:12919, SEQ ID NO:12921, SEQ ID NO:12924, SEQ ID NO:12926, SEQ ID
 15 NO:12928, SEQ ID NO:12930, SEQ ID NO:12932, SEQ ID NO:12935, SEQ ID NO:12937,
 SEQ ID NO:12939, SEQ ID NO:12942, SEQ ID NO:12944, SEQ ID NO:12946, SEQ ID
 NO:12948, SEQ ID NO:12951, SEQ ID NO:12954, SEQ ID NO:12957, SEQ ID NO:12959,
 SEQ ID NO:12962, SEQ ID NO:12964, SEQ ID NO:12968, SEQ ID NO:12970, SEQ ID
 NO:12972, SEQ ID NO:12974, SEQ ID NO:12976, SEQ ID NO:12978, SEQ ID NO:12980,
 20 SEQ ID NO:12982, SEQ ID NO:12984, SEQ ID NO:12986, SEQ ID NO:12988, SEQ ID
 NO:12990, SEQ ID NO:12992, SEQ ID NO:12994, SEQ ID NO:12996, SEQ ID NO:12998,
 SEQ ID NO:13000, SEQ ID NO:13002, SEQ ID NO:13004, SEQ ID NO:13006, SEQ ID
 NO:13008, SEQ ID NO:13010, SEQ ID NO:13012, SEQ ID NO:13014, SEQ ID NO:13016,
 SEQ ID NO:13019, SEQ ID NO:13022, SEQ ID NO:13024, SEQ ID NO:13026, SEQ ID
 25 NO:13028, SEQ ID NO:13030, SEQ ID NO:13032, SEQ ID NO:13034, SEQ ID NO:13036,
 SEQ ID NO:13038, SEQ ID NO:13041, SEQ ID NO:13043, SEQ ID NO:13045, SEQ ID
 NO:13047, SEQ ID NO:13049, SEQ ID NO:13051, SEQ ID NO:13054, SEQ ID NO:13056,
 SEQ ID NO:13059, SEQ ID NO:13062, SEQ ID NO:13064, SEQ ID NO:13066, SEQ ID
 NO:13068, SEQ ID NO:13070, SEQ ID NO:13073, SEQ ID NO:13075, SEQ ID NO:13078,
 30 SEQ ID NO:13080, SEQ ID NO:13082, SEQ ID NO:13084, SEQ ID NO:13086, SEQ ID
 NO:13090, SEQ ID NO:13093, SEQ ID NO:13095, SEQ ID NO:13098, SEQ ID NO:13100,
 SEQ ID NO:13102, SEQ ID NO:13104, SEQ ID NO:13106, SEQ ID NO:13111, SEQ ID
 NO:13113, SEQ ID NO:13115, SEQ ID NO:13117, SEQ ID NO:13121, SEQ ID NO:13123,
 35 SEQ ID NO:13126, SEQ ID NO:13128, SEQ ID NO:13130, SEQ ID NO:13132, SEQ ID
 NO:13134, SEQ ID NO:13136, SEQ ID NO:13138, SEQ ID NO:13140, SEQ ID NO:13142,
 SEQ ID NO:13146,
 SEQ ID NO:13148, SEQ ID NO:13150, SEQ ID NO:13153, SEQ ID NO:13155, SEQ ID
 NO:13157, SEQ ID NO:13159, SEQ ID NO:13161, SEQ ID NO:13163, SEQ ID NO:13165,
 40 SEQ ID NO:13167, SEQ ID NO:13169, SEQ ID NO:13171, SEQ ID NO:13173, SEQ ID
 NO:13175, SEQ ID NO:13179, SEQ ID NO:13182, SEQ ID NO:13184, SEQ ID NO:13186,
 SEQ ID NO:13188, SEQ ID NO:13190, SEQ ID NO:13192, SEQ ID NO:13194, SEQ ID
 NO:13196, SEQ ID NO:13199, SEQ ID NO:13202, SEQ ID NO:13204, SEQ ID NO:13206,
 SEQ ID NO:13208, SEQ ID NO:13210, SEQ ID NO:13212, SEQ ID NO:13214, SEQ ID
 45 NO:13217, SEQ ID NO:13220, SEQ ID NO:13223, SEQ ID NO:13225, SEQ ID NO:13227,
 SEQ ID NO:13229, SEQ ID NO:13231, SEQ ID NO:13233, SEQ ID NO:13236, SEQ ID
 NO:13240, SEQ ID NO:13244, SEQ ID NO:13247, SEQ ID NO:13249, SEQ ID NO:13251,
 SEQ ID NO:13253, SEQ ID NO:13255, SEQ ID NO:13258, SEQ ID NO:13262, SEQ ID
 NO:13265, SEQ ID NO:13267, SEQ ID NO:13269, SEQ ID NO:13272, SEQ ID NO:13274,
 50 SEQ ID NO:13277, SEQ ID NO:13281, SEQ ID NO:13283, SEQ ID NO:13285, SEQ ID
 NO:13287, SEQ ID NO:13289,
 SEQ ID NO:13295, SEQ ID NO:13297, SEQ ID NO:13299, SEQ ID NO:13301, SEQ ID
 NO:13303, SEQ ID NO:13305, SEQ ID NO:13308, SEQ ID NO:13311, SEQ ID NO:13313,
 55 SEQ ID NO:13315, SEQ ID NO:13317, SEQ ID NO:13320, SEQ ID NO:13323, SEQ ID
 NO:13326, SEQ ID NO:13329, SEQ ID NO:13331, SEQ ID NO:13335, SEQ ID NO:13340,

5 SEQ ID NO:13343, SEQ ID NO:13349, SEQ ID NO:13353, SEQ ID NO:13355, SEQ ID
 NO:13358, SEQ ID NO:13361, SEQ ID NO:13364, SEQ ID NO:13367, SEQ ID NO:13373,
 SEQ ID NO:13377, SEQ ID NO:13380, SEQ ID NO:13382, SEQ ID NO:13384, SEQ ID
 NO:13386, SEQ ID NO:13388, SEQ ID NO:13390, SEQ ID NO:13392, SEQ ID NO:13395,
 SEQ ID NO:13397, SEQ ID NO:13399, SEQ ID NO:13401, SEQ ID NO:13403, SEQ ID
 NO:13405, SEQ ID NO:13407, SEQ ID NO:13409, SEQ ID NO:13411, SEQ ID NO:13413,
 10 SEQ ID NO:13416, SEQ ID NO:13419, SEQ ID NO:13422, SEQ ID NO:13424, SEQ ID
 NO:13426, SEQ ID NO:13429, SEQ ID NO:13432, SEQ ID NO:13435, SEQ ID NO:13437,
 SEQ ID NO:13446, SEQ ID NO:13450, SEQ ID NO:13452, SEQ ID NO:13456, SEQ ID
 NO:13459, SEQ ID NO:13461, SEQ ID NO:13464, SEQ ID NO:13466, SEQ ID NO:13468,
 SEQ ID NO:13471, SEQ ID NO:13475, SEQ ID NO:13481, SEQ ID NO:13487, SEQ ID
 NO:13490, SEQ ID NO:13493, SEQ ID NO:13496, SEQ ID NO:13499, SEQ ID NO:13502,
 15 SEQ ID NO:13504, SEQ ID NO:13509, SEQ ID NO:13511, SEQ ID NO:13513, SEQ ID
 NO:13516, SEQ ID NO:13521, SEQ ID NO:13525, SEQ ID NO:13528, SEQ ID NO:13530,
 SEQ ID NO:13533, SEQ ID NO:13537, SEQ ID NO:13541, SEQ ID NO:13543, SEQ ID
 NO:13545, SEQ ID NO:13548, SEQ ID NO:13550, SEQ ID NO:13552, SEQ ID NO:13555,
 SEQ ID NO:13558, SEQ ID NO:13560, SEQ ID NO:13564, SEQ ID NO:13567, SEQ ID
 20 NO:13569, SEQ ID NO:13573, SEQ ID NO:13575, SEQ ID NO:13577, SEQ ID NO:13579,
 SEQ ID NO:13583,
 SEQ ID NO:13585, SEQ ID NO:13587, SEQ ID NO:13589, SEQ ID NO:13593, SEQ ID
 NO:13596, SEQ ID NO:13598, SEQ ID NO:13600, SEQ ID NO:13602, SEQ ID NO:13604,
 SEQ ID NO:13606, SEQ ID NO:13609, SEQ ID NO:13611, SEQ ID NO:13614, SEQ ID
 25 NO:13616, SEQ ID NO:13618, SEQ ID NO:13628, SEQ ID NO:13630, SEQ ID NO:13632,
 SEQ ID NO:13634, SEQ ID NO:13636, SEQ ID NO:13638, SEQ ID NO:13641, SEQ ID
 NO:13644, SEQ ID NO:13646, SEQ ID NO:13648, SEQ ID NO:13650, SEQ ID NO:13654,
 SEQ ID NO:13659, SEQ ID NO:13661, SEQ ID NO:13663, SEQ ID NO:13665, SEQ ID
 NO:13667, SEQ ID NO:13669, SEQ ID NO:13671, SEQ ID NO:13673, SEQ ID NO:13677,
 30 SEQ ID NO:13679, SEQ ID NO:13681, SEQ ID NO:13683, SEQ ID NO:13686, SEQ ID
 NO:13688, SEQ ID NO:13691, SEQ ID NO:13695, SEQ ID NO:13697, SEQ ID NO:13699,
 SEQ ID NO:13702, SEQ ID NO:13705, SEQ ID NO:13707, SEQ ID NO:13712, SEQ ID
 NO:13714, SEQ ID NO:13716, SEQ ID NO:13719, SEQ ID NO:13721, SEQ ID NO:13723,
 35 SEQ ID NO:13726, SEQ ID NO:13730, SEQ ID NO:13733, SEQ ID NO:13737, SEQ ID
 NO:13739, SEQ ID NO:13741, SEQ ID NO:13743, SEQ ID NO:13745, SEQ ID NO:13747,
 SEQ ID NO:13752, SEQ ID NO:13758, SEQ ID NO:13768, SEQ ID NO:13771, SEQ ID
 NO:13773, SEQ ID NO:13776, SEQ ID NO:13781, SEQ ID NO:13784, SEQ ID NO:13787,
 SEQ ID NO:13790, SEQ ID NO:13792, SEQ ID NO:13794, SEQ ID NO:13801, SEQ ID
 40 NO:13807, SEQ ID NO:13811, SEQ ID NO:13813, SEQ ID NO:13815, SEQ ID NO:13817,
 SEQ ID NO:13820, SEQ ID NO:13822, SEQ ID NO:13825, SEQ ID NO:13827, SEQ ID
 NO:13830, SEQ ID NO:13832, SEQ ID NO:13835, SEQ ID NO:13837, SEQ ID NO:13840,
 SEQ ID NO:13842, SEQ ID NO:13844, SEQ ID NO:13846, SEQ ID NO:13848, SEQ ID
 NO:13853, SEQ ID NO:13855, SEQ ID NO:13857, SEQ ID NO:13859, SEQ ID NO:13862,
 45 SEQ ID NO:13864,
 SEQ ID NO:13866, SEQ ID NO:13868, SEQ ID NO:13871, SEQ ID NO:13873, SEQ ID
 NO:13875, SEQ ID NO:13877, SEQ ID NO:13880, SEQ ID NO:13882, SEQ ID NO:13884,
 SEQ ID NO:13886, SEQ ID NO:13888, SEQ ID NO:13890, SEQ ID NO:13894, SEQ ID
 NO:13897, SEQ ID NO:13899, SEQ ID NO:13902, SEQ ID NO:13907, SEQ ID NO:13910,
 50 SEQ ID NO:13913, SEQ ID NO:13915, SEQ ID NO:13917, SEQ ID NO:13919, SEQ ID
 NO:13921, SEQ ID NO:13923, SEQ ID NO:13925, SEQ ID NO:13927, SEQ ID NO:13929,
 SEQ ID NO:13931, SEQ ID NO:13934, SEQ ID NO:13937, SEQ ID NO:13939, SEQ ID
 NO:13943, SEQ ID NO:13945, SEQ ID NO:13947, SEQ ID NO:13949, SEQ ID NO:13952,
 55 SEQ ID NO:13955, SEQ ID NO:13957, SEQ ID NO:13960, SEQ ID NO:13963, SEQ ID
 NO:13968, SEQ ID NO:13972, SEQ ID NO:13974, SEQ ID NO:13977, SEQ ID NO:13980,

2525

SEQ ID NO:14490, SEQ ID NO:14492, SEQ ID NO:14494, SEQ ID NO:14496, SEQ ID
 NO:14498, SEQ ID NO:14500, SEQ ID NO:14502, SEQ ID NO:14505, SEQ ID NO:14507,
 SEQ ID NO:14509, SEQ ID NO:14511, SEQ ID NO:14514, SEQ ID NO:14516, SEQ ID
 5 NO:14518, SEQ ID NO:14520, SEQ ID NO:14522, SEQ ID NO:14524, SEQ ID NO:14526,
 SEQ ID NO:14530, SEQ ID NO:14532, SEQ ID NO:14534, SEQ ID NO:14536, SEQ ID
 NO:14538, SEQ ID NO:14541, SEQ ID NO:14543, SEQ ID NO:14546, SEQ ID NO:14548,
 SEQ ID NO:14550,
 SEQ ID NO:14553, SEQ ID NO:14555, SEQ ID NO:14557, SEQ ID NO:14559, SEQ ID
 10 NO:14561, SEQ ID NO:14563, SEQ ID NO:14565, SEQ ID NO:14567, SEQ ID NO:14569,
 SEQ ID NO:14571, SEQ ID NO:14573, SEQ ID NO:14575, SEQ ID NO:14577, SEQ ID
 NO:14579, SEQ ID NO:14581, SEQ ID NO:14583, SEQ ID NO:14585, SEQ ID NO:14587,
 SEQ ID NO:14589, SEQ ID NO:14591, SEQ ID NO:14593, SEQ ID NO:14596, SEQ ID
 15 NO:14598, SEQ ID NO:14600, SEQ ID NO:14602, SEQ ID NO:14604, SEQ ID NO:14606,
 SEQ ID NO:14608, SEQ ID NO:14612, SEQ ID NO:14614, SEQ ID NO:14616, SEQ ID
 NO:14618, SEQ ID NO:14621, SEQ ID NO:14623, SEQ ID NO:14625, SEQ ID NO:14627,
 SEQ ID NO:14629, SEQ ID NO:14631, SEQ ID NO:14634, SEQ ID NO:14636, SEQ ID
 NO:14638, SEQ ID NO:14640, SEQ ID NO:14642, SEQ ID NO:14645, SEQ ID NO:14647,
 20 SEQ ID NO:14649, SEQ ID NO:14651, SEQ ID NO:14653, SEQ ID NO:14655, SEQ ID
 NO:14657, SEQ ID NO:14659, SEQ ID NO:14661, SEQ ID NO:14663, SEQ ID NO:14665,
 SEQ ID NO:14667, SEQ ID NO:14669, SEQ ID NO:14671, SEQ ID NO:14673, SEQ ID
 NO:14675, SEQ ID NO:14677, SEQ ID NO:14680, SEQ ID NO:14682, SEQ ID NO:14684,
 SEQ ID NO:14687, SEQ ID NO:14689, SEQ ID NO:14691, SEQ ID NO:14694, SEQ ID
 25 NO:14696, SEQ ID NO:14698, SEQ ID NO:14701, SEQ ID NO:14703, SEQ ID NO:14705,
 SEQ ID NO:14707, SEQ ID NO:14709, SEQ ID NO:14711, SEQ ID NO:14714, SEQ ID
 NO:14716, SEQ ID NO:14718, SEQ ID NO:14720, SEQ ID NO:14723, SEQ ID NO:14726,
 SEQ ID NO:14728, SEQ ID NO:14730, SEQ ID NO:14733, SEQ ID NO:14736, SEQ ID
 30 NO:14739, SEQ ID NO:14741, SEQ ID NO:14743, SEQ ID NO:14745, SEQ ID NO:14747,
 SEQ ID NO:14749, SEQ ID NO:14751, SEQ ID NO:14753, SEQ ID NO:14756, SEQ ID
 NO:14759, SEQ ID NO:14761, SEQ ID NO:14763, SEQ ID NO:14765, SEQ ID NO:14767,
 SEQ ID NO:14769,
 SEQ ID NO:14771, SEQ ID NO:14773, SEQ ID NO:14775, SEQ ID NO:14777, SEQ ID
 35 NO:14779, SEQ ID NO:14781, SEQ ID NO:14783, SEQ ID NO:14785, SEQ ID NO:14787,
 SEQ ID NO:14789, SEQ ID NO:14791, SEQ ID NO:14793, SEQ ID NO:14795, SEQ ID
 NO:14797, SEQ ID NO:14799, SEQ ID NO:14801, SEQ ID NO:14803, SEQ ID NO:14805,
 SEQ ID NO:14807, SEQ ID NO:14810, SEQ ID NO:14813, SEQ ID NO:14815, SEQ ID
 NO:14817, SEQ ID NO:14819, SEQ ID NO:14821, SEQ ID NO:14825, SEQ ID NO:14827,
 40 SEQ ID NO:14829, SEQ ID NO:14832, SEQ ID NO:14834, SEQ ID NO:14836, SEQ ID
 NO:14838, SEQ ID NO:14840, SEQ ID NO:14842, SEQ ID NO:14844, SEQ ID NO:14846,
 SEQ ID NO:14848, SEQ ID NO:14851, SEQ ID NO:14853, SEQ ID NO:14855, SEQ ID
 NO:14857, SEQ ID NO:14859, SEQ ID NO:14861, SEQ ID NO:14863, SEQ ID NO:14866,
 SEQ ID NO:14868, SEQ ID NO:14870, SEQ ID NO:14873, SEQ ID NO:14875, SEQ ID
 45 NO:14877, SEQ ID NO:14879, SEQ ID NO:14881, SEQ ID NO:14883, SEQ ID NO:14885,
 SEQ ID NO:14887, SEQ ID NO:14889, SEQ ID NO:14891, SEQ ID NO:14893, SEQ ID
 NO:14895, SEQ ID NO:14897, SEQ ID NO:14899, SEQ ID NO:14901, SEQ ID NO:14903,
 SEQ ID NO:14905, SEQ ID NO:14907, SEQ ID NO:14909, SEQ ID NO:14911, SEQ ID
 NO:14913, SEQ ID NO:14915, SEQ ID NO:14917, SEQ ID NO:14920, SEQ ID NO:14922,
 50 SEQ ID NO:14926, SEQ ID NO:14928, SEQ ID NO:14930, SEQ ID NO:14932, SEQ ID
 NO:14934, SEQ ID NO:14936, SEQ ID NO:14939, SEQ ID NO:14941, SEQ ID NO:14943,
 SEQ ID NO:14945, SEQ ID NO:14947, SEQ ID NO:14949, SEQ ID NO:14951, SEQ ID
 NO:14953, SEQ ID NO:14955, SEQ ID NO:14957, SEQ ID NO:14959, SEQ ID NO:14962,
 55 SEQ ID NO:14964, SEQ ID NO:14966, SEQ ID NO:14968, SEQ ID NO:14970, SEQ ID

[illegible]

[illegible]

SEQ ID NO:16034, SEQ ID NO:16036, SEQ ID NO:16038, SEQ ID NO:16040, SEQ ID
 NO:16042, SEQ ID NO:16044, SEQ ID NO:16046, SEQ ID NO:16050, SEQ ID NO:16053,
 SEQ ID NO:16055, SEQ ID NO:16058, SEQ ID NO:16060, SEQ ID NO:16062, SEQ ID
 NO:16064, SEQ ID NO:16066, SEQ ID NO:16068, SEQ ID NO:16070, SEQ ID NO:16072,
 SEQ ID NO:16074, SEQ ID NO:16076, SEQ ID NO:16078, SEQ ID NO:16080, SEQ ID
 NO:16082, SEQ ID NO:16084, SEQ ID NO:16086, SEQ ID NO:16088, SEQ ID NO:16090,
 SEQ ID NO:16092, SEQ ID NO:16094, SEQ ID NO:16096, SEQ ID NO:16098, SEQ ID
 NO:16100, SEQ ID NO:16102, SEQ ID NO:16104, SEQ ID NO:16106, SEQ ID NO:16108,
 SEQ ID NO:16110,
 SEQ ID NO:16221, SEQ ID NO:16223, SEQ ID NO:16227, SEQ ID NO:16231, SEQ ID
 NO:16234, SEQ ID NO:16237, SEQ ID NO:16239, SEQ ID NO:16241, SEQ ID NO:16244,
 SEQ ID NO:16256, SEQ ID NO:16263, SEQ ID NO:16271, SEQ ID NO:16288, SEQ ID
 NO:16290, SEQ ID NO:16292, SEQ ID NO:16296, SEQ ID NO:16298, SEQ ID NO:16300,
 SEQ ID NO:16302, SEQ ID NO:16305, SEQ ID NO:16311, SEQ ID NO:16313, SEQ ID
 NO:16326, SEQ ID NO:16329, SEQ ID NO:16335, SEQ ID NO:16342, SEQ ID NO:16344,
 SEQ ID NO:16349, SEQ ID NO:16355, SEQ ID NO:16357, SEQ ID NO:16361, SEQ ID
 NO:16366, SEQ ID NO:16368, SEQ ID NO:16370, SEQ ID NO:16375, SEQ ID NO:16382,
 SEQ ID NO:16386, SEQ ID NO:16388, SEQ ID NO:16390, SEQ ID NO:16392, SEQ ID
 NO:16397, SEQ ID NO:16399, SEQ ID NO:16405, SEQ ID NO:16407, SEQ ID NO:16410,
 SEQ ID NO:16413, SEQ ID NO:16415, SEQ ID NO:16417, SEQ ID NO:16419, SEQ ID
 NO:16430, SEQ ID NO:16432, SEQ ID NO:16434, SEQ ID NO:16439, SEQ ID NO:16442,
 SEQ ID NO:16444, SEQ ID NO:16446, SEQ ID NO:16463, SEQ ID NO:16466, SEQ ID
 NO:16468, SEQ ID NO:16470, SEQ ID NO:16472, SEQ ID NO:16475, SEQ ID NO:16477,
 SEQ ID NO:16480, SEQ ID NO:16482, SEQ ID NO:16485, SEQ ID NO:16488, SEQ ID
 NO:16491, SEQ ID NO:16493, SEQ ID NO:16495, SEQ ID NO:16498, SEQ ID NO:16502,
 SEQ ID NO:16504, SEQ ID NO:16507, SEQ ID NO:16510, SEQ ID NO:16521, SEQ ID
 NO:16523, SEQ ID NO:16525, SEQ ID NO:16528, SEQ ID NO:16530, SEQ ID NO:16533,
 SEQ ID NO:16538, SEQ ID NO:16541, SEQ ID NO:16543, SEQ ID NO:16545, SEQ ID
 NO:16549, SEQ ID NO:16551, SEQ ID NO:16554, SEQ ID NO:16556, SEQ ID NO:16558,
 SEQ ID NO:16560, SEQ ID NO:16562, SEQ ID NO:16566, SEQ ID NO:16572, SEQ ID
 NO:16582, SEQ ID NO:16584, SEQ ID NO:16587, SEQ ID NO:16590, SEQ ID NO:16592,
 SEQ ID NO:16595,
 SEQ ID NO:16599, SEQ ID NO:16602, SEQ ID NO:16605, SEQ ID NO:16610, SEQ ID
 NO:16616, SEQ ID NO:16619, SEQ ID NO:16621, SEQ ID NO:16623, SEQ ID NO:16625,
 SEQ ID NO:16630, SEQ ID NO:16632, SEQ ID NO:16634, SEQ ID NO:16638, SEQ ID
 NO:16641, SEQ ID NO:16644, SEQ ID NO:16663, SEQ ID NO:16665, SEQ ID NO:16674,
 SEQ ID NO:16680, SEQ ID NO:16685, SEQ ID NO:16688, SEQ ID NO:16690, SEQ ID
 NO:16693, SEQ ID NO:16699, SEQ ID NO:16702, SEQ ID NO:16704, SEQ ID NO:16708,
 SEQ ID NO:16712, SEQ ID NO:16714, SEQ ID NO:16723, SEQ ID NO:16726, SEQ ID
 NO:16728, SEQ ID NO:16730, SEQ ID NO:16732, SEQ ID NO:16741, SEQ ID NO:16743,
 SEQ ID NO:16745, SEQ ID NO:16747, SEQ ID NO:16752, SEQ ID NO:16763, SEQ ID
 NO:16765, SEQ ID NO:16767, SEQ ID NO:16771, SEQ ID NO:16776, SEQ ID NO:16781,
 SEQ ID NO:16784, SEQ ID NO:16786, SEQ ID NO:16788, SEQ ID NO:16791, SEQ ID
 NO:16793, SEQ ID NO:16795, SEQ ID NO:16797, SEQ ID NO:16801, SEQ ID NO:16804,
 SEQ ID NO:16807, SEQ ID NO:16809, SEQ ID NO:16813, SEQ ID NO:16815, SEQ ID
 NO:16818, SEQ ID NO:16822, SEQ ID NO:16825, SEQ ID NO:16845, SEQ ID NO:16847,
 SEQ ID NO:16849, SEQ ID NO:16853, SEQ ID NO:16855, SEQ ID NO:16857, SEQ ID
 NO:16863, SEQ ID NO:16865, SEQ ID NO:16870, SEQ ID NO:16876, SEQ ID NO:16879,
 SEQ ID NO:16884, SEQ ID NO:16892, SEQ ID NO:16896, SEQ ID NO:16901, SEQ ID
 NO:16903, SEQ ID NO:16909, SEQ ID NO:16921, SEQ ID NO:16925, SEQ ID NO:16928,
 SEQ ID NO:16935, SEQ ID NO:16937, SEQ ID NO:16939, SEQ ID NO:16941, SEQ ID
 NO:16943, SEQ ID NO:16947, SEQ ID NO:16954, SEQ ID NO:16956, SEQ ID NO:16960,

SEQ ID NO:16963, SEQ ID NO:16965, SEQ ID NO:16968, SEQ ID NO:16971, SEQ ID
 NO:16976, SEQ ID NO:16980, SEQ ID NO:16987, SEQ ID NO:16990, SEQ ID NO:16999,
 SEQ ID NO:17003,
 5 SEQ ID NO:17019, SEQ ID NO:17025, SEQ ID NO:17028, SEQ ID NO:17032, SEQ ID
 NO:17038, SEQ ID NO:17040, SEQ ID NO:17042, SEQ ID NO:17051, SEQ ID NO:17053,
 SEQ ID NO:17058, SEQ ID NO:17060, SEQ ID NO:17062, SEQ ID NO:17064, SEQ ID
 NO:17072, SEQ ID NO:17074, SEQ ID NO:17076, SEQ ID NO:17079, SEQ ID NO:17081,
 10 SEQ ID NO:17083, SEQ ID NO:17085, SEQ ID NO:17087, SEQ ID NO:17089, SEQ ID
 NO:17091, SEQ ID NO:17093, SEQ ID NO:17095, SEQ ID NO:17097, SEQ ID NO:17099,
 SEQ ID NO:17101, SEQ ID NO:17104, SEQ ID NO:17106, SEQ ID NO:17109, SEQ ID
 NO:17111, SEQ ID NO:17113, SEQ ID NO:17115, SEQ ID NO:17117, SEQ ID NO:17120,
 SEQ ID NO:17122, SEQ ID NO:17124, SEQ ID NO:17127, SEQ ID NO:17129, SEQ ID
 15 NO:17131, SEQ ID NO:17133, SEQ ID NO:17135, SEQ ID NO:17137, SEQ ID NO:17140,
 SEQ ID NO:17142, SEQ ID NO:17144, SEQ ID NO:17146, SEQ ID NO:17148, SEQ ID
 NO:17150, SEQ ID NO:17152, SEQ ID NO:17154, SEQ ID NO:17156, SEQ ID NO:17158,
 SEQ ID NO:17161, SEQ ID NO:17163, SEQ ID NO:17165, SEQ ID NO:17167, SEQ ID
 NO:17169, SEQ ID NO:17171, SEQ ID NO:17173, SEQ ID NO:17175, SEQ ID NO:17177,
 20 SEQ ID NO:17179, SEQ ID NO:17181, SEQ ID NO:17184, SEQ ID NO:17186, SEQ ID
 NO:17188, SEQ ID NO:17191, SEQ ID NO:17194, SEQ ID NO:17196, SEQ ID NO:17198,
 SEQ ID NO:17200, SEQ ID NO:17203, SEQ ID NO:17205, SEQ ID NO:17207, SEQ ID
 NO:17211, SEQ ID NO:17215, SEQ ID NO:17217, SEQ ID NO:17219, SEQ ID NO:17221,
 SEQ ID NO:17223, SEQ ID NO:17225, SEQ ID NO:17227, SEQ ID NO:17229, SEQ ID
 25 NO:17231, SEQ ID NO:17233, SEQ ID NO:17235, SEQ ID NO:17237, SEQ ID NO:17239,
 SEQ ID NO:17241, SEQ ID NO:17243, SEQ ID NO:17245, SEQ ID NO:17247, SEQ ID
 NO:17250, SEQ ID NO:17252, SEQ ID NO:17254, SEQ ID NO:17257, SEQ ID NO:17260,
 SEQ ID NO:17262,
 30 SEQ ID NO:17266, SEQ ID NO:17269, SEQ ID NO:17271, SEQ ID NO:17273, SEQ ID
 NO:17276, SEQ ID NO:17278, SEQ ID NO:17280, SEQ ID NO:17282, SEQ ID NO:17284,
 SEQ ID NO:17286, SEQ ID NO:17288, SEQ ID NO:17291, SEQ ID NO:17293, SEQ ID
 NO:17295, SEQ ID NO:17298, SEQ ID NO:17301, SEQ ID NO:17303, SEQ ID NO:17306,
 SEQ ID NO:17308, SEQ ID NO:17311, SEQ ID NO:17313, SEQ ID NO:17317, SEQ ID
 35 NO:17319, SEQ ID NO:17321, SEQ ID NO:17323, SEQ ID NO:17325, SEQ ID NO:17327,
 SEQ ID NO:17329, SEQ ID NO:17331, SEQ ID NO:17333, SEQ ID NO:17335, SEQ ID
 NO:17337, SEQ ID NO:17339, SEQ ID NO:17342, SEQ ID NO:17346, SEQ ID NO:17348,
 SEQ ID NO:17350, SEQ ID NO:17352, SEQ ID NO:17354, SEQ ID NO:17357, SEQ ID
 NO:17359, SEQ ID NO:17361, SEQ ID NO:17363, SEQ ID NO:17367, SEQ ID NO:17369,
 40 SEQ ID NO:17373, SEQ ID NO:17375, SEQ ID NO:17379, SEQ ID NO:17382, SEQ ID
 NO:17384, SEQ ID NO:17386, SEQ ID NO:17389, SEQ ID NO:17391, SEQ ID NO:17394,
 SEQ ID NO:17396, SEQ ID NO:17400, SEQ ID NO:17403, SEQ ID NO:17405, SEQ ID
 NO:17407, SEQ ID NO:17409, SEQ ID NO:17411, SEQ ID NO:17413, SEQ ID NO:17415,
 SEQ ID NO:17417, SEQ ID NO:17419, SEQ ID NO:17421, SEQ ID NO:17423, SEQ ID
 45 NO:17425, SEQ ID NO:17428, SEQ ID NO:17431, SEQ ID NO:17435, SEQ ID NO:17439,
 SEQ ID NO:17441, SEQ ID NO:17444, SEQ ID NO:17446, SEQ ID NO:17448, SEQ ID
 NO:17451, SEQ ID NO:17453, SEQ ID NO:17455, SEQ ID NO:17458, SEQ ID NO:17462,
 SEQ ID NO:17464, SEQ ID NO:17466, SEQ ID NO:17469, SEQ ID NO:17471, SEQ ID
 NO:17473, SEQ ID NO:17476, SEQ ID NO:17478, SEQ ID NO:17481, SEQ ID NO:17483,
 50 SEQ ID NO:17486, SEQ ID NO:17488, SEQ ID NO:17491, SEQ ID NO:17493, SEQ ID
 NO:17495, SEQ ID NO:17497, SEQ ID NO:17499, SEQ ID NO:17501, SEQ ID NO:17503,
 SEQ ID NO:17505,
 SEQ ID NO:17507, SEQ ID NO:17509, SEQ ID NO:17511, SEQ ID NO:17513, SEQ ID
 NO:17515, SEQ ID NO:17517, SEQ ID NO:17519, SEQ ID NO:17521, SEQ ID NO:17523,
 55 SEQ ID NO:17525, SEQ ID NO:17528, SEQ ID NO:17530, SEQ ID NO:17534, SEQ ID

NO:17536, SEQ ID NO:17538, SEQ ID NO:17540, SEQ ID NO:17542, SEQ ID NO:17544,
 SEQ ID NO:17546, SEQ ID NO:17548, SEQ ID NO:17550, SEQ ID NO:17552, SEQ ID
 NO:17554, SEQ ID NO:17556, SEQ ID NO:17558, SEQ ID NO:17560, SEQ ID NO:17562,
 5 SEQ ID NO:17564, SEQ ID NO:17566, SEQ ID NO:17568, SEQ ID NO:17570, SEQ ID
 NO:17573, SEQ ID NO:17575, SEQ ID NO:17577, SEQ ID NO:17580, SEQ ID NO:17582,
 SEQ ID NO:17584, SEQ ID NO:17587, SEQ ID NO:17590, SEQ ID NO:17592, SEQ ID
 NO:17595, SEQ ID NO:17597, SEQ ID NO:17599, SEQ ID NO:17601, SEQ ID NO:17603,
 10 SEQ ID NO:17605, SEQ ID NO:17607, SEQ ID NO:17609, SEQ ID NO:17611, SEQ ID
 NO:17613, SEQ ID NO:17615, SEQ ID NO:17617, SEQ ID NO:17619, SEQ ID NO:17621,
 SEQ ID NO:17623, SEQ ID NO:17625, SEQ ID NO:17627, SEQ ID NO:17629, SEQ ID
 NO:17631, SEQ ID NO:17633, SEQ ID NO:17635, SEQ ID NO:17637, SEQ ID NO:17639,
 SEQ ID NO:17641, SEQ ID NO:17643, SEQ ID NO:17645, SEQ ID NO:17647, SEQ ID
 NO:17651, SEQ ID NO:17653, SEQ ID NO:17655, SEQ ID NO:17658, SEQ ID NO:17661,
 15 SEQ ID NO:17664, SEQ ID NO:17667, SEQ ID NO:17669, SEQ ID NO:17671, SEQ ID
 NO:17673, SEQ ID NO:17675, SEQ ID NO:17677, SEQ ID NO:17679, SEQ ID NO:17684,
 SEQ ID NO:17686, SEQ ID NO:17688, SEQ ID NO:17690, SEQ ID NO:17692, SEQ ID
 NO:17694, SEQ ID NO:17696, SEQ ID NO:17698, SEQ ID NO:17700, SEQ ID NO:17702,
 20 SEQ ID NO:17704, SEQ ID NO:17707, SEQ ID NO:17709, SEQ ID NO:17711, SEQ ID
 NO:17713, SEQ ID NO:17715, SEQ ID NO:17719, SEQ ID NO:17725, SEQ ID NO:17727,
 SEQ ID NO:17731,
 SEQ ID NO:17734, SEQ ID NO:17736, SEQ ID NO:17738, SEQ ID NO:17741, SEQ ID
 NO:17743, SEQ ID NO:17745, SEQ ID NO:17749, SEQ ID NO:17752, SEQ ID NO:17755,
 25 SEQ ID NO:17757, SEQ ID NO:17760, SEQ ID NO:17766, SEQ ID NO:17772, SEQ ID
 NO:17775, SEQ ID NO:17777, SEQ ID NO:17779, SEQ ID NO:17782, SEQ ID NO:17784,
 SEQ ID NO:17786, SEQ ID NO:17788, SEQ ID NO:17791, SEQ ID NO:17793, SEQ ID
 NO:17796, SEQ ID NO:17798, SEQ ID NO:17800, SEQ ID NO:17804, SEQ ID NO:17808,
 30 SEQ ID NO:17810, SEQ ID NO:17812, SEQ ID NO:17814, SEQ ID NO:17816, SEQ ID
 NO:17819, SEQ ID NO:17821, SEQ ID NO:17823, SEQ ID NO:17825, SEQ ID NO:17827,
 SEQ ID NO:17829, SEQ ID NO:17833, SEQ ID NO:17835, SEQ ID NO:17838, SEQ ID
 NO:17840, SEQ ID NO:17842, SEQ ID NO:17844, SEQ ID NO:17846, SEQ ID NO:17854,
 SEQ ID NO:17857, SEQ ID NO:17862, SEQ ID NO:17864, SEQ ID NO:17866, SEQ ID
 NO:17868, SEQ ID NO:17873, SEQ ID NO:17879, SEQ ID NO:17882, SEQ ID NO:17884,
 35 SEQ ID NO:17887, SEQ ID NO:17889, SEQ ID NO:17891, SEQ ID NO:17893, SEQ ID
 NO:17897, SEQ ID NO:17899, SEQ ID NO:17901, SEQ ID NO:17905, SEQ ID NO:17908,
 SEQ ID NO:17910, SEQ ID NO:17913, SEQ ID NO:17915, SEQ ID NO:17921, SEQ ID
 NO:17923, SEQ ID NO:17927, SEQ ID NO:17930, SEQ ID NO:17933, SEQ ID NO:17935,
 40 SEQ ID NO:17937, SEQ ID NO:17939, SEQ ID NO:17944, SEQ ID NO:17948, SEQ ID
 NO:17950, SEQ ID NO:17953, SEQ ID NO:17955, SEQ ID NO:17957, SEQ ID NO:17960,
 SEQ ID NO:17963, SEQ ID NO:17968, SEQ ID NO:17970, SEQ ID NO:17972, SEQ ID
 NO:17975, SEQ ID NO:17977, SEQ ID NO:17983, SEQ ID NO:17988, SEQ ID NO:17992,
 SEQ ID NO:17994, SEQ ID NO:17996, SEQ ID NO:17998, SEQ ID NO:18002, SEQ ID
 45 NO:18007, SEQ ID NO:18009, SEQ ID NO:18011, SEQ ID NO:18014, SEQ ID NO:18018,
 SEQ ID NO:18020,
 SEQ ID NO:18023, SEQ ID NO:18025, SEQ ID NO:18027, SEQ ID NO:18029, SEQ ID
 NO:18031, SEQ ID NO:18033, SEQ ID NO:18035, SEQ ID NO:18037, SEQ ID NO:18039,
 50 SEQ ID NO:18041, SEQ ID NO:18047, SEQ ID NO:18049, SEQ ID NO:18051, SEQ ID
 NO:18053, SEQ ID NO:18055, SEQ ID NO:18057, SEQ ID NO:18060, SEQ ID NO:18062,
 SEQ ID NO:18064, SEQ ID NO:18067, SEQ ID NO:18069, SEQ ID NO:18073, SEQ ID
 NO:18075, SEQ ID NO:18077, SEQ ID NO:18079, SEQ ID NO:18081, SEQ ID NO:18083,
 SEQ ID NO:18085, SEQ ID NO:18087, SEQ ID NO:18089, SEQ ID NO:18091, SEQ ID
 NO:18093, SEQ ID NO:18097, SEQ ID NO:18100, SEQ ID NO:18102, SEQ ID NO:18106,
 55 SEQ ID NO:18108, SEQ ID NO:18111, SEQ ID NO:18113, SEQ ID NO:18115, SEQ ID

NO:18118, SEQ ID NO:18122, SEQ ID NO:18126, SEQ ID NO:18128, SEQ ID NO:18130,
 SEQ ID NO:18132, SEQ ID NO:18134, SEQ ID NO:18136, SEQ ID NO:18138, SEQ ID
 NO:18141, SEQ ID NO:18143, SEQ ID NO:18145, SEQ ID NO:18147, SEQ ID NO:18149,
 5 SEQ ID NO:18155, SEQ ID NO:18158, SEQ ID NO:18160, SEQ ID NO:18164, SEQ ID
 NO:18167, SEQ ID NO:18169, SEQ ID NO:18171, SEQ ID NO:18173, SEQ ID NO:18175,
 SEQ ID NO:18177, SEQ ID NO:18179, SEQ ID NO:18181, SEQ ID NO:18183, SEQ ID
 NO:18185, SEQ ID NO:18187, SEQ ID NO:18189, SEQ ID NO:18191, SEQ ID NO:18193,
 10 SEQ ID NO:18195, SEQ ID NO:18197, SEQ ID NO:18199, SEQ ID NO:18202, SEQ ID
 NO:18204, SEQ ID NO:18206, SEQ ID NO:18208, SEQ ID NO:18211, SEQ ID NO:18213,
 SEQ ID NO:18215, SEQ ID NO:18217, SEQ ID NO:18219, SEQ ID NO:18221, SEQ ID
 NO:18223, SEQ ID NO:18225, SEQ ID NO:18228, SEQ ID NO:18230, SEQ ID NO:18232,
 SEQ ID NO:18234, SEQ ID NO:18237, SEQ ID NO:18239, SEQ ID NO:18241, SEQ ID
 15 NO:18244, SEQ ID NO:18246, SEQ ID NO:18248, SEQ ID NO:18250, SEQ ID NO:18252,
 SEQ ID NO:18255,
 SEQ ID NO:18257, SEQ ID NO:18262, SEQ ID NO:18267, SEQ ID NO:18269, SEQ ID
 NO:18271, SEQ ID NO:18273, SEQ ID NO:18275, SEQ ID NO:18277, SEQ ID NO:18279,
 SEQ ID NO:18281, SEQ ID NO:18283, SEQ ID NO:18285, SEQ ID NO:18287, SEQ ID
 20 NO:18290, SEQ ID NO:18292, SEQ ID NO:18294, SEQ ID NO:18296, SEQ ID NO:18299,
 SEQ ID NO:18301, SEQ ID NO:18304, SEQ ID NO:18306, SEQ ID NO:18311, SEQ ID
 NO:18313, SEQ ID NO:18315, SEQ ID NO:18317, SEQ ID NO:18319, SEQ ID NO:18322,
 SEQ ID NO:18324, SEQ ID NO:18326, SEQ ID NO:18328, SEQ ID NO:18330, SEQ ID
 NO:18333, SEQ ID NO:18336, SEQ ID NO:18338, SEQ ID NO:18340, SEQ ID NO:18342,
 25 SEQ ID NO:18344, SEQ ID NO:18346, SEQ ID NO:18348, SEQ ID NO:18350, SEQ ID
 NO:18352, SEQ ID NO:18354, SEQ ID NO:18356, SEQ ID NO:18359, SEQ ID NO:18361,
 SEQ ID NO:18363, SEQ ID NO:18365, SEQ ID NO:18367, SEQ ID NO:18369, SEQ ID
 NO:18371, SEQ ID NO:18373
 SEQ ID NO:18376, SEQ ID NO:18380, SEQ ID NO:18382, SEQ ID NO:18384, SEQ ID
 30 NO:18386, SEQ ID NO:18388, SEQ ID NO:18391, SEQ ID NO:18393, SEQ ID NO:18396,
 SEQ ID NO:18400, SEQ ID NO:18403, SEQ ID NO:18405, SEQ ID NO:18407, SEQ ID
 NO:18409, SEQ ID NO:18411, SEQ ID NO:18415, SEQ ID NO:18417, SEQ ID NO:18419,
 SEQ ID NO:18423, SEQ ID NO:18425, SEQ ID NO:18429, SEQ ID NO:18431, SEQ ID
 35 NO:18434, SEQ ID NO:18436, SEQ ID NO:18438, SEQ ID NO:18440, SEQ ID NO:18442,
 SEQ ID NO:18445, SEQ ID NO:18448, SEQ ID NO:18450, SEQ ID NO:18452, SEQ ID
 NO:18455, SEQ ID NO:18457, SEQ ID NO:18459, SEQ ID NO:18461, SEQ ID NO:18463,
 SEQ ID NO:18466, SEQ ID NO:18469, SEQ ID NO:18471, SEQ ID NO:18473, SEQ ID
 NO:18475, SEQ ID NO:18477, SEQ ID NO:18479, SEQ ID NO:18481, SEQ ID NO:18483,
 40 SEQ ID NO:18485, SEQ ID NO:18487, SEQ ID NO:18490, SEQ ID NO:18492, SEQ ID
 NO:18494, SEQ ID NO:18498, SEQ ID NO:18506, SEQ ID NO:18508, SEQ ID NO:18510,
 SEQ ID NO:18512, SEQ ID NO:18514, SEQ ID NO:18516, SEQ ID NO:18518, SEQ ID
 NO:18520, SEQ ID NO:18522, SEQ ID NO:18524, SEQ ID NO:18526, SEQ ID NO:18529,
 SEQ ID NO:18532, SEQ ID NO:18536, SEQ ID NO:18538, SEQ ID NO:18541, SEQ ID
 45 NO:18546, SEQ ID NO:18550, SEQ ID NO:18552, SEQ ID NO:18554, SEQ ID NO:18556,
 SEQ ID NO:18558, SEQ ID NO:18562, SEQ ID NO:18568, SEQ ID NO:18572, SEQ ID
 NO:18574, SEQ ID NO:18576, SEQ ID NO:18580, SEQ ID NO:18582, SEQ ID NO:18587,
 SEQ ID NO:18590, SEQ ID NO:18592, SEQ ID NO:18594, SEQ ID NO:18596, SEQ ID
 NO:18598, SEQ ID NO:18600, SEQ ID NO:18602, SEQ ID NO:18604, SEQ ID NO:18606,
 50 SEQ ID NO:18608, SEQ ID NO:18611, SEQ ID NO:18613, SEQ ID NO:18615, SEQ ID
 NO:18617, SEQ ID NO:18619, SEQ ID NO:18623, SEQ ID NO:18625, SEQ ID NO:18627,
 SEQ ID NO:18629,
 SEQ ID NO:18631, SEQ ID NO:18633, SEQ ID NO:18635, SEQ ID NO:18637, SEQ ID
 NO:18639, SEQ ID NO:18644, SEQ ID NO:18646, SEQ ID NO:18649, SEQ ID NO:18651,
 55 SEQ ID NO:18653, SEQ ID NO:18655, SEQ ID NO:18657, SEQ ID NO:18660, SEQ ID

NO:18662, SEQ ID NO:18665, SEQ ID NO:18668, SEQ ID NO:18672, SEQ ID NO:18674,
 SEQ ID NO:18676, SEQ ID NO:18678, SEQ ID NO:18680, SEQ ID NO:18682, SEQ ID
 NO:18686, SEQ ID NO:18688, SEQ ID NO:18691, SEQ ID NO:18693, SEQ ID NO:18695,
 5 SEQ ID NO:18697, SEQ ID NO:18699, SEQ ID NO:18701, SEQ ID NO:18703, SEQ ID
 NO:18705, SEQ ID NO:18709, SEQ ID NO:18711, SEQ ID NO:18713, SEQ ID NO:18715,
 SEQ ID NO:18717, SEQ ID NO:18720, SEQ ID NO:18722, SEQ ID NO:18724, SEQ ID
 NO:18726, SEQ ID NO:18729, SEQ ID NO:18731, SEQ ID NO:18733, SEQ ID NO:18735,
 10 SEQ ID NO:18737, SEQ ID NO:18739, SEQ ID NO:18741, SEQ ID NO:18743, SEQ ID
 NO:18745, SEQ ID NO:18747, SEQ ID NO:18749, SEQ ID NO:18751, SEQ ID NO:18753,
 SEQ ID NO:18759, SEQ ID NO:18763, SEQ ID NO:18765, SEQ ID NO:18770, SEQ ID
 NO:18773, SEQ ID NO:18775, SEQ ID NO:18777, SEQ ID NO:18779, SEQ ID NO:18781,
 15 SEQ ID NO:18783, SEQ ID NO:18785, SEQ ID NO:18787, SEQ ID NO:18790, SEQ ID
 NO:18793, SEQ ID NO:18795, SEQ ID NO:18797, SEQ ID NO:18800, SEQ ID NO:18802,
 SEQ ID NO:18804, SEQ ID NO:18806, SEQ ID NO:18809, SEQ ID NO:18811, SEQ ID
 NO:18813, SEQ ID NO:18815, SEQ ID NO:18817, SEQ ID NO:18819, SEQ ID NO:18822,
 20 SEQ ID NO:18824, SEQ ID NO:18826, SEQ ID NO:18828, SEQ ID NO:18830, SEQ ID
 NO:18832, SEQ ID NO:18834, SEQ ID NO:18836, SEQ ID NO:18840, SEQ ID NO:18843,
 SEQ ID NO:18847, SEQ ID NO:18850, SEQ ID NO:18853, SEQ ID NO:18855, SEQ ID
 NO:18857, SEQ ID NO:18859, SEQ ID NO:18862, SEQ ID NO:18865, SEQ ID NO:18868,
 SEQ ID NO:18870,
 25 SEQ ID NO:18874, SEQ ID NO:18876, SEQ ID NO:18879, SEQ ID NO:18882, SEQ ID
 NO:18884, SEQ ID NO:18888, SEQ ID NO:18891, SEQ ID NO:18894, SEQ ID NO:18896,
 SEQ ID NO:18898, SEQ ID NO:18900, SEQ ID NO:18902, SEQ ID NO:18906, SEQ ID
 NO:18908, SEQ ID NO:18910, SEQ ID NO:18912, SEQ ID NO:18914, SEQ ID NO:18916,
 30 SEQ ID NO:18918, SEQ ID NO:18920, SEQ ID NO:18922, SEQ ID NO:18924, SEQ ID
 NO:18926, SEQ ID NO:18929, SEQ ID NO:18931, SEQ ID NO:18933, SEQ ID NO:18935,
 SEQ ID NO:18937, SEQ ID NO:18939, SEQ ID NO:18942, SEQ ID NO:18945, SEQ ID
 NO:18948, SEQ ID NO:18950, SEQ ID NO:18952, SEQ ID NO:18954, SEQ ID NO:18961,
 35 SEQ ID NO:18963, SEQ ID NO:18965, SEQ ID NO:18967, SEQ ID NO:18971, SEQ ID
 NO:18974, SEQ ID NO:18977, SEQ ID NO:18979,
 SEQ ID NO:18991, SEQ ID NO:18994, SEQ ID NO:18996, SEQ ID NO:19003, SEQ ID
 NO:19005
 40 SEQ ID NO:19008, SEQ ID NO:19010, SEQ ID NO:19015, SEQ ID NO:19017, SEQ ID
 NO:19019, SEQ ID NO:19021, and SEQ ID NO:19023

(c) a polynucleotide comprising a nucleotide sequence encoding a protein comprising an amino acid sequence
 selected from the amino acid sequences of (b), in which one or more amino acids are substituted, deleted,
 45 inserted, and/or added, wherein said protein is functionally equivalent to the protein comprising said amino
 acid sequence selected from the amino acid sequences of (b);
 (d) a polynucleotide that hybridizes with a polynucleotide comprising a nucleotide sequence selected from the
 nucleotide sequences of (a), and that comprises a nucleotide sequence encoding a protein functionally equiv-
 alent to the protein encoded by the nucleotide sequence selected from the nucleotide sequences of (a);
 50 (e) a polynucleotide comprising a nucleotide sequence encoding a partial amino acid sequence of a protein
 encoded by the polynucleotide of (a) to (d);
 (f) a polynucleotide comprising a nucleotide sequence with at least 70% identity to the nucleotide sequence
 of (a).

55 9. A substantially pure protein encoded by the polynucleotide of claim 8.

10. An antibody against the protein or peptide of any one of claims 6, 7, and 9.

11. A vector comprising the polynucleotide of claim 5 or 8.
12. A transformant carrying the polynucleotide of claim 5 or 8, or the vector of claim 11.
- 5 13. A transformant expressively carrying the polynucleotide of claim 5 or 8, or the vector of claim 11.
14. A method for producing the protein or peptide of any one of claims 6, 7, and 9, comprising culturing the transformant of claim 13 and recovering the expression product.
- 10 15. An oligonucleotide comprising the nucleotide sequence of claim 8 (a) or the nucleotide sequence complementary to the complementary strand thereof, wherein said oligonucleotide comprises 15 nucleotides or more.
16. Use of the oligonucleotide of claim 15 as a primer for synthesizing a polynucleotide.
- 15 17. Use of the oligonucleotide of claim 15 as a probe for detecting a gene.
18. An antisense polynucleotide against the polynucleotide of claim 8, or the portion thereof.
19. A method for synthesizing a polynucleotide, the method comprising:
- 20 a) synthesizing a complementary strand using a cDNA library as a template, and using the primer set of claim 2 or 3, or the primer of claim 16; and
b) recovering the synthesized product.
- 25 20. The method of claim 19, wherein the cDNA library is obtainable by oligo-capping method.
21. The method of claim 19, wherein the complementary strand is obtainable by PCR.
22. A method for detecting the polynucleotide of claim 8, the method comprising:
- 30 a) incubating a target polynucleotide with the oligonucleotide of claim 15 under the conditions where hybridization occurs, and
b) detecting the hybridization of the target polynucleotide with the oligonucleotide of claim 15.
- 35 23. A database of polynucleotides and/or proteins, the database comprising information on at least one sequence selected from the nucleotide sequences of claim 8 (a) and/or the amino acid sequences of claim 8 (b), or a medium on which the database is stored.
- 40
- 45
- 50
- 55

Figure 1

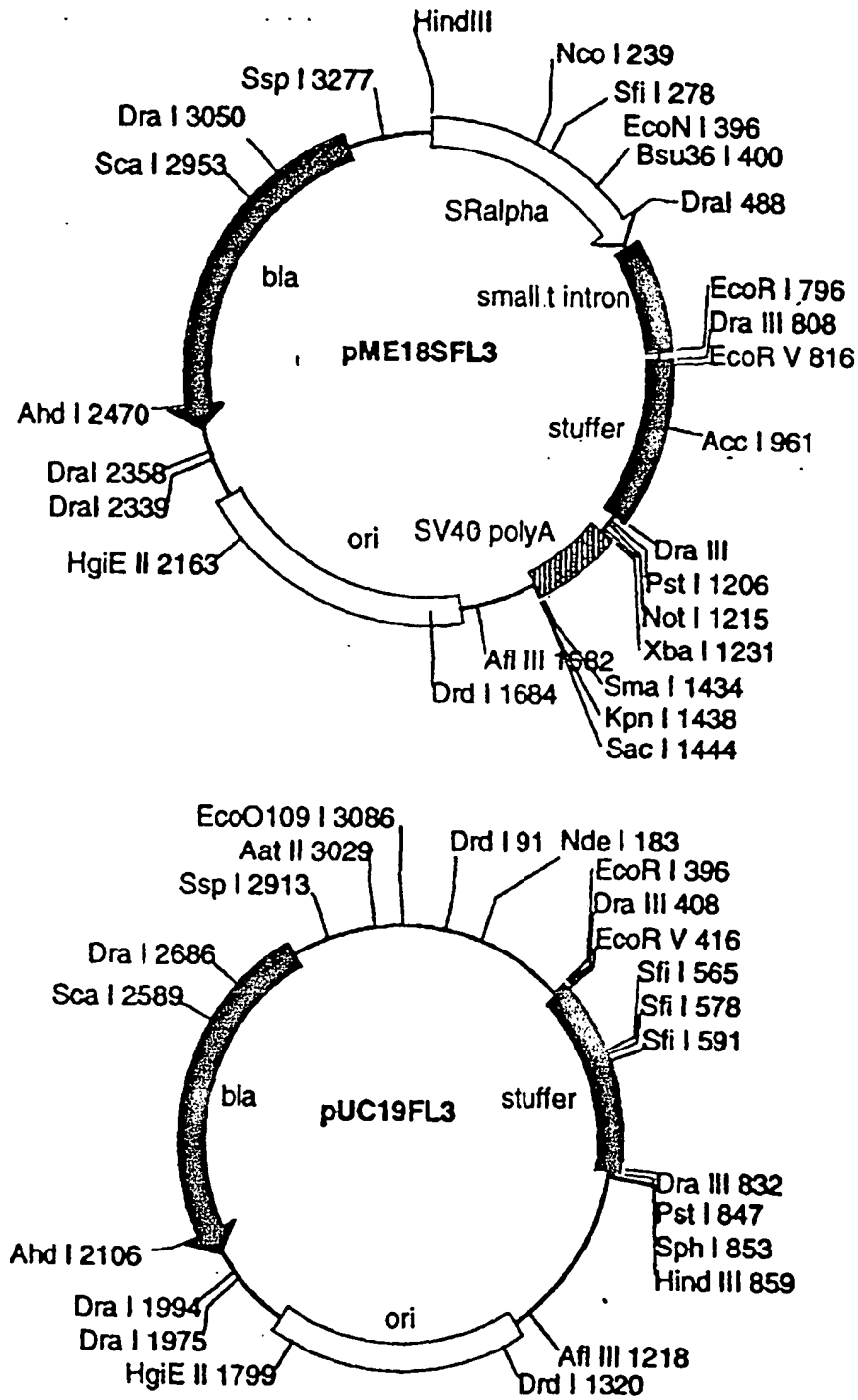


Figure 2

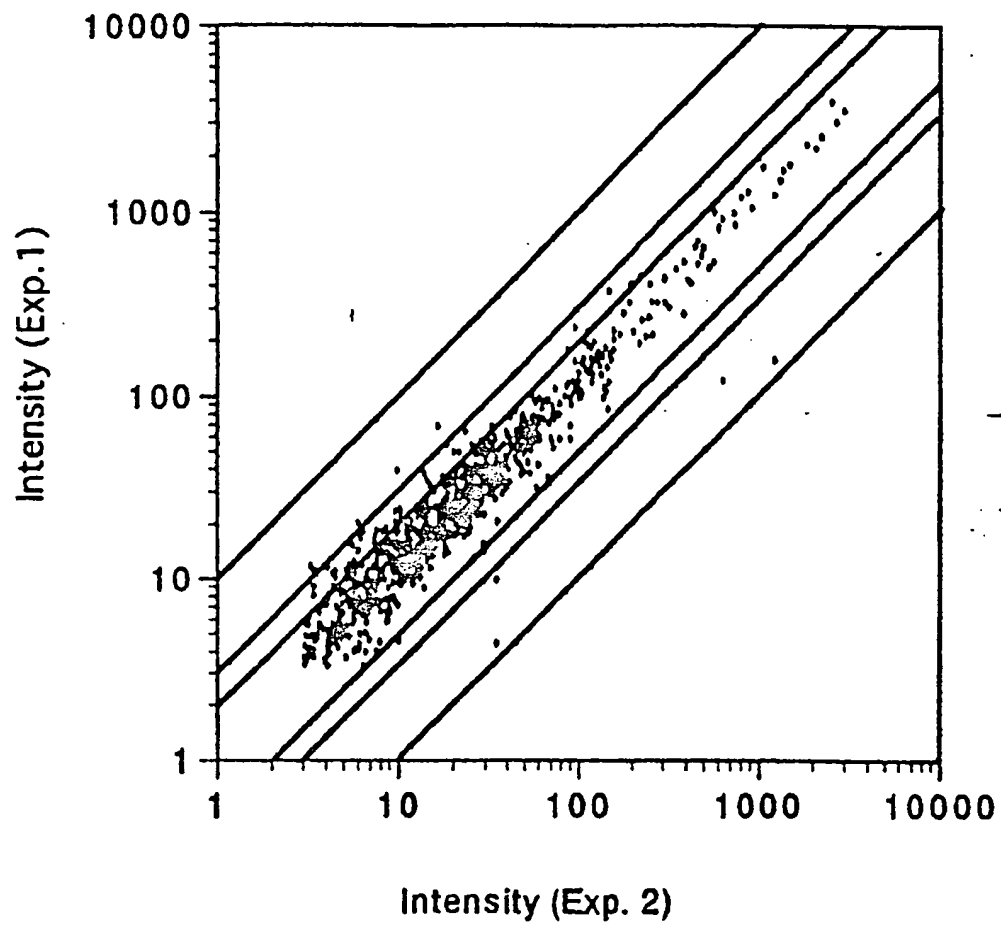


Figure 3

